

AD-A122 716 MAXWELL AFB ALABAMA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 34 AUG 82  
UNCLASSIFIED USAFETAC/DS-82/081 SBI-AD-EGSO 208 P/8 4/2

MAXWELL AFB ALABAMA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
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USAFETAC/DS-82/081 SBI-AD-ES90 208 F/8 4/2

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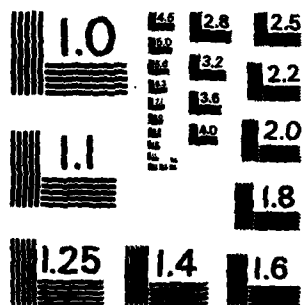
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USAFETAC/DS-82/061 SBI-AD-ESBO 209

24 AUG 82  
F/G 4/2

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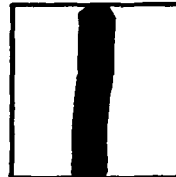
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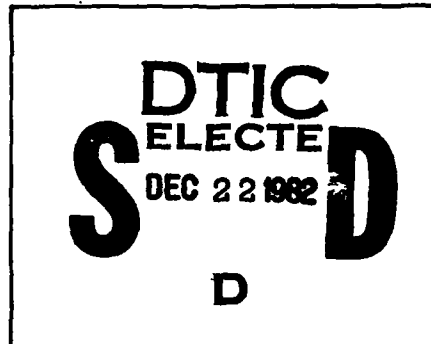
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31 AUG 82

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USAFETAC  
Air Weather Service ( MAC )**

**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

MAXWELL AFB AL  
N 32 23 W 086 22

F D ELEV 168 FT MZF

MSC #722265

PARTS A-F

FOR FROM HOURLY OBS: JAN 73 - DEC 81

FOR FROM DAILY OBS: FEB 37 - DEC 41, SEP 42 - JUL 56,  
JAN 64 - DEC 81

TIME CONVERSION GMT TO LST: -6

AUG 24 1982

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Wayne E. McCollom

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FOR THE COMMANDER

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-82/051	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- MAXWELL AFB, ALABAMA		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)
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		13. NUMBER OF PAGES 400
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO      Daily temperatures      Atmospheric pressure Snowfall      Extreme snow depth      Extreme surface winds Climatology      Sea-level pressure      Psychrometric summary Surface Winds      Extreme temperature      Ceiling versus visibility Relative Humidity      *Climatological data      (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for MAXWELL AFB, ALABAMA It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 73 1473

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

ALABAMA

MAXWELL AFB, ALABAMA

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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1. In April 1972 the observing hours at Maxwell AFB, were reduced from 24 hours/day to 17 hours/day. In April 1978 the observing were changed to 18 hours/day (05-23LST). The effect may not be intuitively obvious at first, but these limited observations do affect almost every part of these summaries in some way. Also note, on a very limited basis, observations were taken during the scheduled closed hours when operationally required.

2. The shift in observation times due to Daylight Savings Time causes the observation counts to change in both the 03-05LST and 21-23LST groups. Although the total number of observations would not change in the "ALL" categories, the observation counts do shift into different time groupings. This causes the increase/decrease changes in observation counts in the 03-05LST/21-23LST groups. The pages that contained no data or extremely small amounts of observations were removed as not being statistically representative. Caution is advised when using the hourly groups with small observation counts.

3. Another caution must be considered when using the "ALL" summaries that incorporate the small amount of hourly data for hours 00-05LST. The resulting data is heavily biased toward the 06-23 hours. Therefore, the impression is given that 24 observations/day were used, when in reality, the data was derived from only 17 or 18 observations/day.

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

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## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO. OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	SHORTEST ELEV. (FT)	CALL SIGN	WMO NUMBER
722265	MAXWELL AFB ALABAMA/NO. 1	N 32 23	W 086 22	168	30XP	-

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE SEA LEVEL		WIND PER DAY
			FROM	TO			STATION (FT)	TYPE OF INSTRUMENT	
1	Maxwell Fld, Alabama	AAF	Jan 37	Dec 41	N 32 23	W 086 21	172	175	24
2	Same	Same	Sep 42	May 48	N 32 24	Same	Same	Same	24
3	Maxwell AFB, Alabama	AFB	Jun 48	Mar 54	N 32 23	Same	176	Same	24
4	Same	Same	Apr 54	Apr 57	Same	Same	Same	211	24
5	Same	Same	May 57	20 Mar 58	Same	Same	Same	245	24
6	Same	Same	21 Mar 58	Feb 68	Same	W 086 22	Same	174	24
7	Same	Same	Mar 68	Feb 69	Same	Same	Same	Same	24
8	Same	Same	Mar 69	Mar 72	Same	Same	179	Same	24
9	Same	Same	Apr 72	Dec 72	Same	Same	Same	Same	17
10	Same	Same	Feb 76	Oct 76	Oct 76	Same	169	Same	18
11	Same	Same	Nov 76	Feb 78	Same	Same	Same	175	17
12	Same	Same	Mar 78	Jan 82	Same	Same	Same	Same	18
13	Same	Same	Feb 82	Jul 82	Same	Same	168	Same	18

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND MEASUREMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 37 to Dec 41	Located on the Tower Bldg.	Anemometer	N/A	60 Ft	
2	Sep 42 to May 48	Same	Selsyn	ML-144	Same	
3	Jun 48 to Feb 55	Located 200 ft S of Weather Station.	Same	Same	45 Ft	
4	Mar 54 to Feb 55	Located on top of Bldg adjacent to Weather Station.	Same	Same	29 Ft	
5	Mar 55 to Feb 57	Located on Hangar 3 of Base Operations.	Same	Same	80 Ft	
6	Mar 57 to Apr 62	Located in Base Control Tower.	Same	Same	78 Ft	

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REVIEWED ON 08-10-2014 BY 60322



NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECEIVER	HT. ABOVE GROUND	
7	May 62 to Aug 62	Located 750 ft from the end and 500 ft E of Runway 14.	AM/100-11	NO-2	13 Ft	
8	Sep 62 to Feb 64	Located 950 ft E of Runway 14, 450 ft S from Taxiway A.	Same	Same	12 Ft	
9	Mar 64 to Sep 70	Located 750 ft from the end and 500 ft E of Runway 14.	Same	Same	13 Ft	
10	Oct 70 to Dec 72	Located 1000 ft ENE of centerline 1550 ft from end of Runway 14.	Same	Same	Same	
11	Jul 78 to Jul 82	Same	Same	20362	Same	

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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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SEE FIRST PAGE

## WEATHER CONDITIONS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		6.7				6.7	6.7				6.7	15
	03-05	7.7	15.4				15.4	7.7				7.7	13
	06-08	.3	13.2		.6		13.6	29.4	7.7			34.7	691
	09-11	.2	11.7	.2	1.4		13.3	19.7	11.2			28.6	812
	12-14	.7	9.9		.5		10.4	12.2	7.2			17.5	811
	15-17	.9	12.4		.5		12.9	11.2	4.3			14.2	812
	18-20	1.1	12.1	.2	.6	.1	13.1	10.8	2.3			12.9	812
	21-23	.4	8.8	.3	.4		9.4	10.9	2.3			12.7	753
TOTALS		1.4	11.3	.1	.5	.0	11.9	13.6	4.4			16.9	4719

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## WEATHER CONDITIONS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	30.0	40.0				40.0	20.0				20.0	10
	03-05	33.3	16.7				16.7						6
	06-08	.3	7.7		.2		7.9	23.5	14.1		.6	33.3	660
	09-11	.5	7.8		.3		8.0	12.1	13.5		.8	24.3	701
	12-14	.5	6.0		.3		6.3	6.2	6.3		.8	12.6	762
	15-17	.9	7.8				7.8	5.5	5.0		.7	10.8	760
	18-20	1.7	9.0			.3	9.2	4.6	5.8		.4	10.6	753
	21-23	2.2	9.2				9.2	5.7	4.9		.4	10.2	697
TOTALS		8.7	13.0		.1	.0	13.1	7.7	6.2		.5	15.2	4409

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## WEATHER CONDITIONS

702205  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		42.9				42.9						7
	03-05	20.0	40.0				40.0	20.0				20.0	5
	06-08	1.0	7.6		.4		8.0	22.8	15.8			33.6	773
	09-11	1.4	9.1		.4		9.4	9.8	10.9			19.4	836
	12-14	2.3	9.3		.1		9.4	6.1	3.2		.6	9.7	837
	15-17	2.3	9.4				9.4	4.1	3.1		.5	7.5	837
	18-20	2.4	10.2	.1			10.4	4.1	2.0		.1	5.9	830
	21-23	1.2	10.9	.4			11.4	7.2	1.4			8.1	740
TOTALS		3.8	17.4	.1	.1		17.6	9.3	4.6		.2	13.0	4865

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# WEATHER CONDITIONS

72265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	15.8	47.4				47.4	5.3				5.3	19
	03-05	3.7	25.9				25.9	22.2	7.4			29.6	27
	06-08	1.3	6.8				6.8	19.8	17.5			30.3	762
	09-11	1.6	5.3				5.3	5.8	12.1			15.7	807
	12-14	1.9	7.3				7.3	2.7	4.1			6.8	817
	15-17	1.4	5.6				5.6	1.6	3.6		.4	5.1	809
	18-20	1.5	5.7				5.7	2.8	3.5		.3	6.4	791
	21-23	1.1	5.4				5.4	2.4	2.9			5.3	665
TOTALS		3.5	13.7				13.7	7.8	6.4		.1	13.1	4697

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AIR WEATHER SERVICE/MAC

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## WEATHER CONDITIONS

702265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02												4
	03-05	1.3	5.1				5.1	47.5	21.5			55.7	158
	06-08	1.1	6.7				6.7	29.9	34.5			57.2	834
	09-11	1.8	6.2				6.2	3.7	20.8			27.3	633
	12-14	3.0	6.6				6.6	1.3	11.5			12.6	832
	15-17	4.1	7.4				7.4	.8	10.2		.1	11.2	634
	18-20	2.4	5.2				5.2	1.7	9.5			11.2	623
	21-23	.9	4.6				4.6	2.7	6.2			8.8	547
TOTALS		1.8	5.2				5.2	11.0	14.3		.1	21.9	4865



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## WEATHER CONDITIONS

722255  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JUN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02		50.0				50.0						2
	03-05		1.3				1.3	45.7	43.7			66.9	151
	06-08	.5	1.6				1.6	21.1	40.4			48.9	797
	09-11	.9	2.7				2.7	2.1	19.6			21.0	601
	12-14	4.0	4.5				4.5	.6	9.4			10.0	801
	15-17	7.4	6.6				6.6	.1	6.9			7.0	801
	18-20	4.1	5.1				5.1	.4	7.2		.1	7.7	801
	21-23	2.2	3.4				3.4	.7	7.1			7.8	536
TOTALS		2.4	9.4				9.4	8.8	16.8		.0	21.2	4690

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## WEATHER CONDITIONS

722255  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02												
	03-05	.6	1.9				1.9	49.7	47.8			67.5	157
	06-08	.1	3.3				3.3	31.9	51.0			61.5	836
	09-11	1.3	3.9				3.9	4.2	33.8			36.1	337
	12-14	6.2	7.0				7.0	1.3	21.5			22.3	933
	15-17	10.9	9.5				9.5	.7	17.7			18.2	924
	18-20	8.5	8.6				8.6	1.7	17.2			18.1	822
	21-23	4.4	6.4				6.4	2.9	13.8			15.8	550
TOTALS		4.6	5.8				5.8	13.2	29.0			34.2	4859

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	20.0	30.0				30.0						10
	03-05	.7	3.6				3.6	60.1	30.2			72.5	138
	06-08	.5	2.0				2.0	36.3	48.4			63.1	837
	09-11	.4	1.6				1.6	3.5	30.1			31.4	837
	12-14	4.1	3.9				3.9	.6	18.8			19.0	837
	15-17	7.0	7.5				7.5	.1	16.5			16.6	837
	18-20	5.3	8.6				8.6	1.7	13.9			15.3	836
	21-23	2.5	4.8				4.8	3.7	13.0			15.1	563
TOTALS		5.1	7.8				7.8	13.3	22.1			29.1	4895

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
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USE WITH CAUTION  
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## WEATHER CONDITIONS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

SEP  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02		69.0				60.0						5
	03-05		9.6				9.6	44.0	40.8			65.6	125
	06-08		4.8				4.8	38.6	41.7			61.3	808
	09-11	.4	4.8				4.8	6.8	32.9			36.7	209
	12-14	2.3	7.9				7.9	1.9	12.2			13.7	810
	15-17	3.5	8.9				8.9	2.4	10.6			13.0	808
	18-20	3.1	7.0				7.0	3.6	13.6			16.9	809
	21-23	.7	6.8				6.8	4.8	13.4			17.3	544
TOTALS		1.3	13.7				13.7	12.8	20.7			26.1	4718

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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## WEATHER CONDITIONS

702265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81

YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECIP.	POG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02												?
	03-05		1.8				1.8	21.2	8.8			28.3	113
	06-08	.1	5.3				5.3	31.5	24.7			44.7	918
	09-11	.2	4.9				4.9	6.7	18.7			23.1	934
	12-14	.2	4.0				4.0	2.5	6.2			6.5	832
	15-17	.1	4.0				4.0	2.0	3.1			4.9	834
	18-20	.2	3.4				3.4	2.5	3.6			5.9	334
	21-23	.3	3.2				3.2	3.7	3.9			7.1	595
TOTALS		.1	3.3				3.3	8.8	8.6			15.3	4463

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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USE WITH CAUTION  
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## WEATHER CONDITIONS

722205  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

NOV  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		16.7				16.7						6
	03-05												3
	06-08		8.7				8.7	34.2	15.6			43.6	667
	09-11		6.5				6.5	12.6	16.0			26.2	817
	12-14	.1	9.0				9.0	4.8	5.6			9.6	609
	15-17	.5	8.5				8.5	6.2	2.7			8.6	517
	18-20	.1	7.8				7.8	6.1	1.5			7.5	809
	21-23	.2	6.2				6.2	7.8	2.5			9.6	909
TOTALS		.1	7.9				7.9	9.0	5.5			13.1	4723

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

002205  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02												3
	03-05												
	06-08	.5	10.3	.2	.3		10.8	24.9	6.5			29.2	562
	09-11	.1	8.3				8.3	12.8	7.8			19.1	768
	12-14	.3	9.3				9.3	7.8	2.2		.3	9.8	765
	15-17	.5	8.0				8.0	6.9	2.8		.1	9.0	754
	18-20	.7	8.5		.1		8.5	7.3	1.9			6.2	729
	21-23	.6	7.5		.6		8.1	7.5	2.1		.3	9.3	718
TOTALS		.4	7.4	.0	.1		7.6	9.6	3.3		.1	12.1	4310

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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## WEATHER CONDITIONS

702265 STATION MAXWELL AFB AL 73-81 YEARS ALL MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	1.4	11.3	.1	.5	.0	11.9	13.6	4.4			16.9	4719
FEB		8.7	13.0		.1	.0	13.1	9.7	6.2		.5	15.2	4419
MAR		3.8	17.4	.1	.1		17.6	9.3	4.6		.2	13.3	4865
APR		3.5	13.7				13.7	7.8	6.4		.1	13.1	4690
MAY		1.8	5.2				5.2	11.0	14.3		.0	21.2	4865
JUN		2.4	9.4				9.4	8.8	16.8		.0	21.2	4690
JUL		4.6	5.8				5.8	13.2	29.0			34.2	4859
AUG		5.1	7.8				7.8	13.3	22.1			29.1	4895
SEP		1.3	13.7				13.7	12.8	20.7			28.1	4718
OCT		.1	3.3				3.3	8.8	8.6			15.3	4863
NOV		.1	7.9				7.9	9.0	5.5			13.1	4723
DEC		.4	7.4	.0	.1		7.6	9.6	3.3		.1	12.1	4719
TOTALS		2.8	9.7	.0	.1	.0	9.8	10.6	11.8		.1	19.4	56615



## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $\frac{5}{8}$  mile.

GLOBAL CLIMATOLOGY BRANCH  
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XX XX XX XX XX XX XX XX XX XX  
XX WEATHER CONDITIONS XX  
XX XX XX XX XX XX XX XX XX XX  
ATMOSPHERIC PHENOMENA

722265 MAXWELL AFB AL

46-56, 64-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	4.5	44.1	.6	3.4	.1	45.6	46.8	42.8		.1	61.5	891
FEB		5.2	38.1	.2	2.1	.1	37.6	40.9	40.7	.1	.1	54.9	820
MAR		14.1	42.9	.1	.3	.5	42.2	39.4	37.9	.1		54.8	867
APR		14.5	33.1			.4	32.5	35.4	36.8		.1	49.6	840
MAY		21.4	36.1			.8	37.0	41.7	43.8		.2	57.5	868
JUN		28.3	39.8			.2	39.1	34.6	44.2			52.0	868
JUL		39.6	51.5			.3	49.5	44.0	47.4			57.6	899
AUG		30.2	43.0				41.4	48.7	54.0			63.7	868
SEP		12.0	36.0			.1	34.4	48.6	52.7		.1	65.0	840
OCT		4.2	22.9				22.1	45.2	44.0			55.2	866
NOV		4.6	33.1		.7		33.7	49.9	45.2			60.2	840
DEC		4.4	40.5	.1	1.4		39.2	47.8	38.4			56.5	846
TOTALS		15.2	38.6	.1	.7	.2	37.9	43.6	44.0	.0	.0	57.4	10313

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## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

B

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
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## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

722265

MAXWELL AFB AL

37-56, 65-81

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	53.9	12.3	2.1	5.8	4.2	5.6	6.1	6.8	3.3	.3				34.2	1015	4.20	10.57	.85
FEB	57.7	9.1	1.4	5.4	3.0	5.1	7.8	6.0	4.1	.3	.1			33.3	905	4.50	8.54	1.59
MAR	56.0	10.6	1.5	3.1	2.6	5.9	6.3	7.4	6.1	.6				33.5	1022	6.34	14.04	2.29
APR	64.3	9.2	1.7	3.3	2.1	5.1	5.3	4.6	3.4	.9				26.5	990	4.47	11.23	1.05
MAY	60.5	11.2	2.3	4.1	3.5	5.1	4.3	5.2	3.4	.4				28.4	1022	3.97	12.88	.47
JUN	59.4	10.1	1.4	5.1	2.3	6.2	5.9	5.7	3.4	.4	.1			30.5	988	4.32	11.77	.50
JUL	47.7	13.4	1.9	5.8	3.8	8.7	7.4	6.4	4.4	.5				38.8	1020	5.60	10.73	2.52
AUG	55.5	14.8	2.6	5.0	2.8	5.3	5.3	4.1	4.1	.1	.1			29.6	992	4.14	15.39	.95
SEP	63.2	10.9	1.1	4.8	3.2	5.8	3.9	3.4	2.9	.6	.1			25.9	1019	3.79	8.41	.13
OCT	76.5	8.9	.7	2.3	1.6	4.1	2.3	1.6	1.9	.2				14.6	1022	1.84	8.27	.02
NOV	65.8	9.2	1.6	3.1	2.2	5.1	5.0	4.8	2.9	.2	.1			25.0	1019	3.51	19.34	.13
DEC	56.9	10.2	1.8	5.1	3.3	4.6	5.5	7.2	4.9	.5				32.9	1001	5.53	10.12	TRACE
ANNUAL	59.8	10.8	1.7	4.4	2.9	5.5	5.4	5.3	3.7	.4	.0			29.4	12015	52.21		

GLOBAL CLIMATOLOGY BRANCH  
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# EXTREME VALUES

## PRECIPITATION

FROM DAILY OBSERVATIONS

1210 WS MAXWELL AFB AL

37-56, 65-81

STATION

STATION NAME

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
37													
38													
39	.75	1.16	1.73	.61	.57	.71*	1.47	5.60	.83	.19	.27	1.7	5.60
40	.98	2.13	2.28	2.05	.34	1.46	1.48	.96	.18	.42	1.58	2.12	2.28
41	1.63	1.30	1.89	.52	.47	1.41	1.28	1.70	.90	1.08	.49	2.62	2.82
42									1.47	.71	1.00	5.12	
43	2.19	.65	3.50	.91	2.26	1.06	2.18	2.29	.74	1.15	2.67	1.79	3.59
44	2.94	1.78	2.75	3.44	1.02	.68	1.00	1.09	1.39	.23	1.46	1.76	3.75
45	1.23	1.81	.87	2.71	2.87	2.01	1.33	1.05	1.50	1.25	2.36	2.04	2.80
46	1.60	1.36	2.19	1.15	1.76	6.28	2.09	1.88	1.96	1.06	.60	1.36	6.28
47	2.34	.90	1.51	1.61	1.60	1.03	2.00	2.50	.10	.20	2.06	1.75	2.50
48	1.48	1.16	2.33	.72	1.42	.85	3.42	1.93	1.34	1.09	5.85	1.3	5.85
49	.92	1.00	.94	1.55	1.64	3.30	4.68	2.44	.82	1.34	.13	1.40	4.68
50	1.29	1.40	.91	1.30	1.52	1.65	3.81	1.31	3.87	.45	.63	1.93	3.87
51	.82	.58	1.88	.89	1.76	1.45	1.77	1.43	2.80	.53	1.78	1.60	2.80
52	1.40	1.11	1.65	1.41	1.06	1.20	1.22	1.38	1.07	.87	.39	1.39	1.65
53	1.14	1.60	1.48	1.09	.75	.92	1.80	.48	5.39	.23	.78	3.77	5.39
54	.40	5.39	1.61	2.12	.58	.64	.84	.45	.16	1.30	.52	1.13	5.39
55	1.76	1.72	.89	1.04	1.55	.69	3.00	1.62	.37	.44	1.45	.57	3.00
56	1.00	1.00	2.29	1.72	.32	1.20	1.09						
65									3.60		.69*	TRACE	
66	.94		* 1.37	.85	1.29	.96	1.45	1.17	2.41	3.30	2.30	2.30	
67	.86	2.12	1.33	.99*	2.09	3.16	1.84	1.35	2.16	1.68	1.34	2.29	3.16
68	.91	.83	1.24	1.66	1.11*	2.03	.80	1.45	1.06	1.21	2.50	1.53	2.50
69	1.12	1.48	2.58	.83	1.34	.66	2.07	2.39*	3.89	1.62	.26	1.15	* 3.89
70	1.71	1.73	2.27	.90	1.60	2.52	3.12	2.18	1.70	1.49	1.11	1.75	3.12
71	1.08	1.39	2.62	2.46	1.22	.58	1.57	1.22	2.45	.31	.96*	1.87	2.62
72	1.01	1.41	2.30	.73	2.27	2.19*	1.84	.44	1.14	1.16*	1.40	1.80	2.30
73	1.57	2.54	2.75	3.77	.91	1.84	1.87	.97	2.26	.26	2.10	1.33	3.77
74	1.65	.93	.81	1.88	.73	.82	1.06	2.31	4.04	.61	1.17	3.61	4.04
MEAN													
S. D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM 0-88-3 (OLI)



● 2 ●

## MONTHLY PRECIPITATION

002204 MAXWELL AFB AL

37-56, 65-81

STATION

STATION NAME

**YEARS**

• • • • •

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

1210 WB FORM 0-66-5 (OLI)



2

XXXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

37-56, 65-81

STATION

STATION NAME

YEARS

●

1

NOTE: \* BASED ON LESS THAN FULL MONTHS)

1210 WS FORM 0-88.5 (OLI)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

722265

MAXWELL AFB AL

46-56, 64-81

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	96.5	2.8	.4	.1	.1	.1								.7	856	.3	5.9	.0
FEB	97.7	2.0	.1		.1									.3	735	.1	1.5	.0
MAR	98.8	1.2													836	TRACE	TRACE	.0
APR	99.9	.1													810	TRACE	TRACE	.0
MAY	100.0														837	.0	.0	.0
JUN	100.0														808	.0	.0	.0
JUL	100.0														837	.0	.0	.0
AUG	100.0														806	.0	.0	.0
SEP	100.0														810	.0	.0	.0
OCT	100.0														805	.0	.0	.0
NOV	99.4	.6													810	TRACE	TRACE	.0
DEC	98.5	1.5													783	TRACE	TRACE	.0
ANNUAL	99.2	.7	.0	.0	.0	.0								.1	9733	.4		

GLOBAL CLIMATOLOGY BRANCH  
 DRAFTER  
 AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

702205 MAXWELL AFB AL

46-56, 65-81

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
47	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
50	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
51	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
54	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.0
59	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
60	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
68	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	*TRACE	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.5
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
78	*TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
79	*TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
80	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
81	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
MEAN	.15	.07	TRACE	TRACE	.00	.00	.00	.00	.00	.00	TRACE	TRACE	.01
S.D.	.638	.391	.000	.000	.300	.000	.000	.000	.000	.000	.300	.000	.048
TOTAL OBS.	856	738	836	810	837	808	837	806	810	805	810	783	9705

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
XXXXXXXXXXXXXXXXXXXX  
MONTHLY SNOWFALL

STATION MAXWELL AFB AL

46-56, 65-61

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
47	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
50	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
51	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
54	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
65											.0		
66	.0		.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
67	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
68	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	*.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
70	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
71	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	*TRACE	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	* 1.5
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
77	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	* 5.9
78	*TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE
79	*TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE
80	*.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE
81	*.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE
MEAN	.29	.07	TRACE	TRACE	.00	.00	.00	.00	.00	.00	TRACE	TRACE	.01
S. D.	1.255	.301	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.048
TOTAL OBS.	856	735	636	810	837	808	837	806	810	805	810	783	9705

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

722265

MAXWELL AFB AL

37-56, 64-81

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.03	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	99.5	.2	.1		.2									.3	1045			
FEB	100.0														905			
MAR	99.9	.1													1022			
APR	100.0														989			
MAY	100.0														1023			
JUN	100.0														988			
JUL	100.0														1023			
AUG	100.0														992			
SEP	100.0														1020			
OCT	100.0														1022			
NOV	100.0														1020			
DEC	100.0														1000			
ANNUAL	99.9	.0	.0		.0									.0	12049			

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

STATION MAXWELL AFB AL

37-56, 65-61

STATION

STATION NAME

YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
37													
38													
39	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
40		0	0	0	0	0	0	0	0	0	0	0	
41													
42		0	0	0	0	0	0	0	0	0	0	0	
43		0	0	0	0	0	0	0	0	0	0	0	
44		0	0	0	0	0	0	0	0	0	0	0	
45		0	0	0	0	0	0	0	0	0	0	0	
46		0	0	0	0	0	0	0	0	0	0	0	
47		0	0	0	0	0	0	0	0	0	0	0	
48		0	0	0	0	0	0	0	0	0	0	0	
49		0	0	0	0	0	0	0	0	0	0	0	
50		0	0	0	0	0	0	0	0	0	0	0	
51		0	0	0	0	0	0	0	0	0	0	0	
52		0	0	0	0	0	0	0	0	0	0	0	
53		0	0	0	0	0	0	0	0	0	0	0	
54		0	0	0	0	0	0	0	0	0	0	0	
55		0	0	0	0	0	0	0	0	0	0	0	
56		0	0	0	0	0	0	0	0	0	0	0	
57		0	0	0	0	0	0	0	0	0	0	0	
58		0	0	0	0	0	0	0	0	0	0	0	
59		0	0	0	0	0	0	0	0	0	0	0	
60		0	0	0	0	0	0	0	0	0	0	0	
61		0	0	0	0	0	0	0	0	0	0	0	
62		0	0	0	0	0	0	0	0	0	0	0	
63		0	0	0	0	0	0	0	0	0	0	0	
64		0	0	0	0	0	0	0	0	0	0	0	
65		0	0	0	0	0	0	0	0	0	0	0	
66		0	0	0	0	0	0	0	0	0	0	0	
67		0	0	0	0	0	0	0	0	0	0	0	
68		0	0	0	0	0	0	0	0	0	0	0	
69		0	0	0	0	0	0	0	0	0	0	0	
70		0	0	0	0	0	0	0	0	0	0	0	
71		0	0	0	0	0	0	0	0	0	0	0	
72		0	0	0	0	0	0	0	0	0	0	0	
73	*	0	0	0	0	0	0	0	0	0	0	0	
74		0	0	0	0	0	0	0	0	0	0	0	
MEAN													
S. O.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

2

SAGU LENGTH

(FROM DAILY OBSERVATIONS)

37-56, 65-81

STATION

STATION NAME

YEARS

## DAILY SNOW DEPTH IN INCHES

[illegible]

NOTE \* BASED ON LESS THAN FULL MONTHS

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VBEL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.



FEDERAL CLIMATOLOGY BRANCH  
WAFETAC  
AF WEATHER SERVICE/MAC

# EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

12285 MAXWELL AFB AL

53-56, 64-68, 77-81

STATION

STATION NAME

YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
53				SE *37WNW	42WNW	40W	*30NNW	18NNE	45W	29WNW	28WNW	25	N 43
54	W *38WNW	42W	61SW	43NNW	26NNW	44ESE	45ENE	52ENE	41NW	30SW	40NNW	40	N 50
55	NW 43WNW	39SSW	39NNW	38W	52W	30NE	52NE	26E	47W	51SSW	47W	23	W 50
56	WSW*34W	52WNW	43SSW	45NW	33E	44NNW*46							
57	NW 38W	*34WSW	41SW	43NW	30SSW	29SW	31W	31N	29E	32SSW	29WSW	41	SW 43
58	WNW 30W	33NNE	42SSW	30SSE	59SSW	32SW	36NW	34SE	24W	33N	33W	21	SSE 58
59	WNW 30SSE	36W	31NW	29SW	21ENE	37W	29SSE	26S	29E	34NW	24E	22	ENE 37
60	SW 35SE	32W	30N	32ENE	26ENE	33WNW	23NW	20E	18W	21WSW	26NW	24	SW 35
61	SW 37NNW	26S	30SW	21ESE	37W	2432/	33 6/	3131/	1835/	2224/	2827/	23	SW 37
62			16/	2629/	42 6/	4418/	3329/	2618/	3918/	4615/	2119/	2312/	36
63	32/	3021/	5030/	4033/	33 6/	3837/	4133/	4534/	2511/	2525/	2424/	28 8/	27
64	32/	4231/	3628/	5022/	2717/	31 4/	3227/	4036/	3419/	21 3/	2128/	2731/	21
65	14/	2914/	2927/	4027/	2821/	4331*	2631/	3210/	2916/	2713*	2231/	4025/	32
66	30/	3318/	3828/	4232/	3833/	3624/	3828/	2923/	42 1/	29 5/	2034/	3610/	26
67	25/	4431/	3826/	3625/	3818/	29 3/	4133/	3633/	3434/	4514/	2317/	2426/	25
68	31/	2522/	4029/	3126/	2214/	3123/	3534/	3523/	29 7*	1813/	3122/	2731/	25
69	32*	3815/	3828/	3619/	36 9/	3135/	3519/	3419/	3219/	3232/	2616/	2431*	31
70	26/	4423/	3631/	3733/	4310/	4135*	40 3/	3028/	28 7/	3034/	2332/	2725*	30
71	27/	4235/	2914/	4627/	3530/	2936/	2310/	3327/	3115/	3833/	3025/	4235*	23
72	36/	2816/	5034/	3119/	3219/	4128/	30 3/	4215/	23 9/	2831/	2211/	3035*	21
73	32*	2021/	4024/	3529/	2716/	3418/	3027/	5017/	3230/	2633/	2633/	3032*	26
74													
75													
76													
77													
78													
79													
80													
81													
MEAN	34.1	34.1	38.0	33.6	35.7	33.8	35.1	30.5	30.6	27.1	30.9	31.5	45.1
S. D.	7.141	7.339	8.356	7.331	8.913	6.263	8.407	7.600	9.121	7.203	6.854	5.553	7.944
TOTAL OBS.	592	558	649	643	679	641	670	645	616	599	597	593	7210

NOTES \* (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM 64 0-88-5 (OL1)

1 (BASED ON LESS THAN FULL MONTHS AND \*100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.1	1.6									8.1	4.8
NNE	3.9	3.9	.3									8.1	3.5
NE	4.1	1.4	.6	.1								6.2	3.5
ENE	3.3	2.8	.7									6.8	3.8
E	1.6	2.0	1.9	.1								5.7	5.5
ESE	1.2	.9	.7	.1								2.8	5.0
SE	.3	.7	.6									1.6	5.6
SSE	1.3	1.2	.1	.1								2.8	4.2
S	1.0	1.3	.6	.1								3.0	5.0
SSW	.9	.7	.1									1.7	3.8
SW	.7			.1								.9	4.3
WSW	.9	.4	.3	.1								1.7	4.7
W	2.9	1.3	1.7	.3								6.2	5.0
WNW	1.3	1.6	1.6	.9								5.4	6.7
NW	.4	2.0	2.3	2.5								7.2	8.4
NNW	.7	2.5	1.3	1.0								5.5	6.9
VARBL													
CALM												26.2	
	26.8	26.8	14.5	5.7								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

690

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JAN  
MONTH  
0900-1100  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.4	2.7	.2								10.6	5.3
NNE	2.0	3.3	.4									5.7	3.9
NE	3.6	3.2	.4									7.1	3.6
ENE	3.2	2.2	1.0									6.4	3.9
E	3.2	3.3	2.2	.2								9.0	4.9
ESE	.4	1.1	1.4	.2								3.9	6.3
SE	.4	1.0	.4									2.0	5.3
SSE	.5	.7	.7	.2	.1							2.3	7.0
S	1.2	1.2	1.8	.4								4.7	6.3
SSW	.4	1.4	.4	.1								2.5	5.5
SW	.9	.9	.9	.1								2.7	5.5
WSW	.9	1.1	.4									2.3	4.4
W	1.1	3.0	2.7	.9								7.6	6.6
WNW	1.5	1.7	1.4	.7	.1							5.7	6.6
NW	.9	2.1	2.6	2.1	.1							7.8	8.3
NNW	1.5	2.0	2.6	1.8								7.9	7.4
VARBL													
CALM												11.8	
	24.9	33.5	22.3	7.1	.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 812

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.1	2.2	.4								9.9	5.0
NNE	1.0	2.7	.6									4.3	4.7
NE	1.0	1.4										2.3	3.6
ENE	2.6	1.4	.5									4.4	3.5
E	2.2	2.6	1.5	.1								6.4	4.7
ESE	1.1	2.2	.5	.5								4.3	5.6
SE	1.0	1.5	.6	.2	.2							3.6	6.4
SSE	1.1	1.7	.7	.2								3.8	5.5
S	.4	2.0	1.4	1.0								4.7	7.6
SSW	.6	1.1	1.1	.6								3.5	7.1
SW	.6	1.6	1.2	.6								4.1	7.2
WSW	2.1	1.8	1.5	.4								6.3	5.9
W	2.3	3.3	3.6	1.8								11.1	6.9
WNW	1.2	1.8	2.2	1.8								7.2	7.7
NW	1.1	2.1	3.7	2.2								9.1	8.0
NNW	1.8	1.2	2.7	1.2								7.0	7.2
VARB.													
CALM												8.0	
	23.4	32.6	24.0	11.7	.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	3.6	2.1	.1								8.7	4.9
NNE	2.2	1.4	.2									3.8	3.5
NE	1.6	1.2	.2									3.1	3.7
ENE	1.8	1.1	.7									3.7	4.1
E	2.0	2.7	1.0									5.7	4.7
ESE	.5	1.5	.9									2.8	5.6
SE	.2	.9	.4	.1								1.6	5.9
SSE	1.0	1.4	.4	.2								3.0	5.0
S	1.7	2.5	1.2	.9								6.3	6.1
SSW	1.1	1.4	1.5	.4								4.3	6.2
SW	1.0	1.8	.9	.6								4.3	6.0
WSW	1.6	2.0	.9	.1		.1						4.7	5.4
W	2.7	3.4	3.1	1.2	.1							10.6	6.4
WNW	2.5	1.7	2.6	1.4	.1							8.3	6.9
NW	1.8	1.5	3.7	1.7								8.7	7.7
NNW	.9	3.0	2.3	1.5								7.6	7.5
VARBL													
CALM												12.8	
	25.4	30.9	22.0	8.3	.2	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

812

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	3.3	1.2	.6								9.6	4.5
NNE	.9	2.3	.1									3.3	4.5
NE	1.0	.7	.2									2.0	3.8
ENE	.9	.9	.9									2.6	5.2
E	1.7	3.0	.7	.2								5.7	4.8
ESE	.6	2.0	1.0									3.6	5.3
SE	.7	1.1	.6	.1								2.6	5.0
SSE	1.0	.9	.1	.4								2.3	5.1
S	2.8	2.3	.6	.2								6.0	4.2
SSW	1.2	1.2	.2	.2								3.0	4.6
SW	.9	.1	.1									1.1	3.2
WSW	1.2	.9		.1								2.2	3.4
W	3.1	2.3	.2	.1	.1	.2						6.2	4.6
WNW	2.1	2.1	2.1	.7	.1							7.1	6.2
NW	2.1	2.3	2.3	1.1	.2							8.1	6.7
NNW	1.2	2.6	1.0	.9								5.7	6.2
VARB													
CALM												28.9	
	25.9	28.1	11.6	4.8	.5	.2						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 812

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JAN  
MONTHS  
2100-2300  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	3.3	2.6	1.9	.4								8.4	5.1
NNE	3.7	1.9	.3									5.9	3.2
NE	1.3	.9	.1									2.4	3.6
ENE	1.3	1.2	.9									3.5	4.6
E	1.1	3.5	.9	.1								5.6	4.9
ESE	.7	1.7	.7									3.1	5.4
SE	.3	1.3	.5									2.3	5.5
SSE	.5	1.3	.4	.1	.1							2.5	5.7
S	1.7	1.1	.5									3.6	4.2
SSW	.6	1.2	.7	.3								2.9	5.6
SW	.7	.9	.1									1.7	4.2
WSW	.3	.1	.5									.9	5.9
W	2.3	1.5	.4	.5								4.7	4.9
WNW	2.5	1.9	2.7	.4	.1							7.6	6.1
NW	1.7	2.3	1.9	.7	.3							6.8	6.5
NNW	1.5	1.3	1.7	.5	.1							5.2	6.5
VARB													
CALM												33.0	
	23.7	25.3	14.2	3.1	.7							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 751

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.7	2.0	.3								9.2	4.9
NNE	2.2	2.5	.3									5.1	3.8
NE	2.0	1.5	.3	.0								3.8	3.6
ENE	2.2	1.5	.8									4.5	4.1
E	2.0	2.8	1.4	.1								6.3	4.9
ESE	.7	1.7	.8	.1								3.4	5.6
SE	.5	1.1	.6	.1	.0							2.3	5.7
SSE	.9	1.2	.4	.2	.0							2.8	5.4
S	1.5	1.8	1.0	.4								4.7	5.6
SSW	.8	1.3	.7	.3								3.1	5.8
SW	.8	.5	.6	.3								2.5	5.7
WSW	1.2	1.1	.6	.3		.0						3.1	5.4
W	2.4	2.5	2.0	.8	.1	.1						7.9	6.1
WNW	1.9	1.8	2.1	1.0	.1							6.9	6.7
NW	1.4	2.0	2.8	1.7	.1							8.0	7.6
NNW	1.3	2.1	2.0	1.2	.0							6.5	7.0
VARBL													
CALM												19.9	
	25.0	29.5	18.2	6.9	.4	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 4716



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

FEB

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.9	1.2	.2								5.6	5.1
NNE	4.5	3.0	.6	.2								8.3	3.9
NE	3.9	1.8	.2									5.9	3.2
ENE	2.9	2.3	.8									5.9	3.8
E	.9	3.2	2.3	.2								6.5	6.0
ESE	.6	.3	.3									1.2	4.8
SE		.6	.5									1.1	6.0
SSE	.8	1.2	.5	.2								2.6	5.3
S	1.1	2.3	.6	.2								4.1	4.8
SSW	1.2	1.7	.2									3.0	3.9
SW	1.2	.8	.3									2.3	4.0
WSW	.8	.6	.2	.2								1.7	4.2
W	2.1	1.7	2.1	1.1								7.0	6.6
WNW	1.7	2.9	1.2	.6								6.4	5.4
NW	1.2	1.8	2.0	.6		.3						5.9	7.4
NNW	2.1	1.8	2.0	.2								6.1	5.2
VARBL													
CALM												26.5	
	26.4	28.8	14.7	3.3		.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

660

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

FEB  
MONTH  
0900-1100  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.2	2.4									7.2	5.4
NNE	1.8	2.9	.7									5.4	4.2
NE	2.8	2.8	.9									6.4	4.3
ENE	3.7	2.4	1.2	.1								7.4	4.4
E	2.5	3.3	2.0	.4								8.1	5.3
ESE	.4	.9	2.0	.5								3.8	7.4
SE	.7	.4	.7									1.7	5.3
SSE	.4	1.3	.5	.1								2.4	5.4
S	1.8	1.2	1.4	.9								5.4	6.5
SSW	1.4	1.3	1.2	.8	.1							4.9	6.5
SW	.5	.9	1.1	.4								2.9	6.8
WSW	.7	2.6	2.2	.7								6.2	6.9
W	.7	2.2	2.6	2.2	.3							8.0	8.8
WNW	.8	2.1	1.4	.5	.1							5.0	7.2
NW	1.1	2.0	2.9	1.4		.1						7.5	7.9
NNW	1.6	2.0	2.4	.9								6.8	6.6
VARBL													
CALM												10.9	
	22.5	31.4	29.5	9.1	.5	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 761

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

MAXWELL AFB AL

73-81

FEB

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1200-1400  
HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.1	1.8	.1	.1							6.0	5.8
NNE	1.4	1.2	.5									3.1	4.4
NE	1.2	1.3	.1									2.6	4.0
ENE	1.8	1.4	.8									4.1	4.3
E	2.0	2.5	2.0	.3								6.7	5.3
ESE	.4	1.6	1.4	.1								3.5	6.7
SE	.9	1.0	.8	.1								2.9	5.5
SSE	1.2	1.3	.7	.4								3.5	5.7
S	1.4	2.4	1.6	1.3	.3	.3						7.2	7.9
SSW	.5	1.7	1.3	1.0	.1							4.7	7.7
SW	1.2	1.4	1.8	1.2	.1							5.8	7.5
WSW	1.7	1.6	2.0	.7								5.9	6.4
W	.7	2.4	5.8	3.5	.1	.1						12.6	9.1
WNW	.8	1.6	3.1	1.8	.1							7.5	8.3
NW	.7	1.7	3.5	1.6								7.5	8.3
NNW	1.4	3.1	3.8	1.2								9.6	6.9
VARBL													
CALM												6.7	
	19.2	28.3	31.1	13.4	.9	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLIM

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	3.9	2.1	.1								7.6	5.6
NNE	1.6	1.4	.3									3.3	3.8
NE	.7	2.1	.5									3.3	4.6
ENE	1.2	1.3	.1									2.6	3.7
E	1.6	2.4	1.3	.4								5.7	5.5
ESE	.3	.8	1.3	.3								2.6	7.0
SE	.1	.7	.3	.3								1.3	6.9
SSE	1.2	.9	.8	.5	.1							3.6	6.5
S	1.2	2.6	1.6	1.2								6.6	6.7
SSW	1.3	2.0	2.1	.5	.3							6.2	6.8
SW	.8	1.8	2.0	.7	.3							5.5	7.5
WSW	1.2	2.0	2.5	.5	.1							6.3	6.6
W	1.8	4.5	2.9	2.1	.4							11.7	7.5
WNW	.7	1.2	2.8	1.8								6.4	8.7
NW	.9	2.5	2.6	.9								7.0	7.2
NNW	1.1	2.1	4.3	1.2	.1							8.8	7.7
VARBL													
CALM												11.4	
	17.0	32.2	27.5	10.5	1.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

760

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.5	1.5	.5								7.0	5.1
NNE	1.5	1.7	.3									3.5	3.8
NE	.9	.5										1.5	3.1
ENE	.8	.9	.4									2.1	4.3
E	1.9	2.0	.9	.4								5.2	5.1
ESE	.5	1.3	.8									2.7	5.1
SE	.8	.5	.4									1.7	4.0
SSE	2.7	1.3	.5	.9	.1							5.6	5.7
S	2.3	2.3	1.2	.5	.3							6.5	6.0
SSW	1.7	2.0	.9									4.6	4.6
SW	1.1	.5	.3									1.9	3.7
WSW	3.1	.9		.3								4.2	3.2
W	2.4	1.5	1.1	.4								5.3	5.1
WNW	1.5	1.2	1.3	.5								4.5	6.3
NW	3.2	2.1	.8	.8	.3	.1						7.3	6.1
NNW	2.1	2.3	2.0	.7								7.0	5.9
VARBL													
CALM												29.3	
	28.8	23.6	12.4	5.0	.7	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

753

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265      MAXWELL AFB AL      73-81      FEB  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	3.0	2.0	.4								9.0	4.8
NNE	1.7	1.6	.4	.1								3.9	4.2
NE	1.4	.7	.1									2.3	3.2
ENE	1.0	1.7	.3									3.0	4.2
E	.6	2.3	1.3	.3								4.4	6.3
ESE	.7	1.0	.7	.1								2.6	5.7
SE	.7	1.3	.6									2.6	4.8
SSE	1.1	1.9	.9	.1	.1	.1						4.3	6.3
S	2.0	3.2	1.4	.3								6.9	5.1
SSW	1.4	1.4	.7									3.6	4.5
SW	.3	1.7	.1									2.2	4.7
WSW	1.3	.6	.3	.1								2.3	4.4
W	2.4	1.3										3.7	3.0
WNW	1.6	1.7	1.1	.1								4.6	5.3
NW	.9	1.0	1.0	.9	.1							3.9	7.6
NNW	1.6	2.6	1.0	1.4								6.6	6.6
VARBL													
CALM												34.1	
	22.4	27.0	12.1	4.0	.3	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS      697

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

FEB  
MONTH

ALL WEATHER

CLASS

ALL

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.9	1.8	.2	.0							7.1	5.3
NNE	2.0	2.0	.5	.0								4.5	4.0
NE	1.6	1.6	.3									3.7	3.9
ENE	1.9	1.7	.4	.0								4.2	4.1
E	1.6	2.6	1.6	.3								6.1	5.5
ESE	.5	1.0	1.1	.2								2.8	6.4
SE	.5	.7	.5	.1								1.9	5.3
SSE	1.3	1.3	.4	.4	.1	.0						3.7	5.8
S	1.6	2.3	1.3	.8	.1	.0						6.2	6.3
SSW	1.3	1.7	1.1	.4	.1							4.6	6.0
SW	.8	1.2	1.0	.4	.1							3.5	6.4
WSW	1.5	1.4	1.2	.4	.0							4.5	5.8
W	1.7	2.3	2.4	1.6	.1	.0						8.1	7.4
WNW	1.1	1.8	1.9	.9	.0							5.7	7.1
NW	1.3	1.9	2.2	1.0	.1	.1						6.5	7.4
NNW	1.6	2.3	2.6	.9	.0							7.5	6.6
VARBL													
CALM												19.4	
	22.6	28.6	20.8	7.7	.6	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 4409

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.3	.9									5.6	4.0
NNE	3.4	1.9	.3									5.6	3.4
NE	2.7	2.6	.9									6.2	4.1
ENE	1.4	2.2	1.2									4.8	4.8
E	1.9	3.2	2.2	.1								7.5	5.2
ESE	.8	.9	1.2	.1	.1							3.1	6.3
SE	1.2	.8	.5	.5								3.0	5.8
SSE	1.7	1.6	1.7	.3		.1						5.3	5.9
S	1.4	1.3	1.9	.8								5.4	6.7
SSW	1.6	.9	.8	.5								3.8	5.5
SW	1.4	.4	.4	.3								2.5	5.1
WSW	.4	1.7	.6	.1								2.8	5.5
W	1.7	1.7	3.0	.8								7.1	6.8
WNW	.8	1.2	1.8	.6								4.4	7.3
NW	.8	1.2	.3	.8	.1							3.1	6.9
NNW	1.0	1.3	1.2	.6								4.1	6.4
VARBL													
CALM												25.7	
	24.5	25.1	18.8	5.6	.3	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

773



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

MAXWELL AFB AL

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

NOVDS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.3	3.0	1.9	.4	.1							6.7	6.0
NNE	1.1	2.5	1.3									4.9	5.1
NE	2.0	2.0	.6									4.7	4.1
ENE	2.4	2.6	.8									5.9	4.2
E	1.7	3.1	1.6	.1								6.5	5.1
ESE	.8	2.6	1.3	.7								5.5	6.3
SE	1.2	2.3	1.1	.5	.2							5.3	6.6
SSE	.7	2.0	2.3	1.6	.1							6.7	7.9
S	1.2	2.6	3.1	1.7								8.7	7.4
SSW	1.2	1.3	2.2	.7								5.4	6.7
SW	.7	1.1	1.4	.2								3.5	6.6
WSW	1.7	1.3	1.2	1.1	.1							5.4	6.9
W	1.7	2.4	3.7	1.6	.1							9.4	7.5
WNW	.8	.6	1.9	1.3	.1							4.8	8.6
NW	.4	1.2	1.4	1.8	.2							5.3	8.9
NNW	1.0	.6	1.9	.6								4.1	7.3
VARBL													
CALM												7.4	
	20.1	31.5	27.8	12.2	1.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

DESCRIPTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2	2.2	.4								6.1	5.8
NNE	.6	.8	1.1									2.5	5.9
NE	.8	1.4	.6									2.9	4.7
ENE	1.7	1.1	.4	.1								3.2	3.9
E	1.3	2.5	1.8									5.6	5.4
ESE	1.1	1.8	1.4	.4								4.7	6.1
SE	1.1	1.4	1.0	.4	.4							4.2	7.2
SSE	1.8	1.9	2.4	.7	.5							7.3	7.3
S	1.8	2.0	4.1	3.7	.4							11.9	8.8
SSW	1.7	1.9	2.7	1.0	.5							7.8	7.7
SW	1.2	2.4	1.7	.6	.2							6.1	6.8
WSW	1.1	2.4	2.2	.8								6.5	6.7
W	2.2	2.0	4.9	1.7								10.8	7.6
WNW	1.0	1.1	1.8	1.1	.5	.1						5.5	8.8
NW	.5	1.0	1.9	2.0	.6							6.0	10.1
NNW	.8	1.0	1.9	.7	.2							4.7	8.0
VARB													
CALM												4.4	
	20.0	26.9	31.9	13.5	3.2	.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.5	2.3	.5								6.9	6.1
NNE	1.1	.5	.1									1.7	3.4
NE	.6	1.0	.2	.1								1.9	4.9
ENE	.7	1.0	.5	.2								2.4	5.6
E	1.2	1.8	1.7									4.7	5.2
ESE	.8	1.7	1.3	.5	.1							4.4	6.8
SE	.1	1.2	1.4	.5	.1							3.3	8.1
SSE	1.0	1.7	2.4	1.2	.1							6.3	7.8
S	1.6	3.2	4.5	1.9	.2							11.5	7.7
SSW	1.4	3.0	3.1	1.3	.2	.1						9.2	7.4
SW	1.8	1.7	2.2	.5								6.1	6.1
WSW	1.6	2.9	2.5	1.0								7.9	6.5
W	1.1	2.8	3.9	.7	.1							8.6	7.2
WNW	1.0	1.2	2.2	2.0	.1							6.5	8.8
NW	.5	1.0	3.1	1.9								6.5	8.7
NNW	.8	1.6	2.2	1.1	.1							5.7	7.5
VARBL													
CALM												6.3	
	16.9	28.5	33.6	13.4	1.2	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.0	1.1	.2								6.7	4.4
NNE	.4	.8	.1									1.3	4.4
NE	.4	.6	.2									1.2	4.9
ENE	1.1	.2	.5									1.8	4.1
E	2.2	1.9	1.7	.1	.1							6.0	5.4
ESE	1.2	1.8	1.0	.5	.1							4.6	6.3
SE	1.1	1.9	1.4	.2	.2							4.9	6.5
SSE	1.2	2.7	1.4	.7	.1							6.1	6.2
S	3.0	3.9	3.9	.6	.1							11.4	5.9
SSW	1.8	2.3	2.2	.4								6.6	5.6
SW	1.1	.5	.1	.1								1.8	4.1
WSW	1.9	.1	.1									2.2	2.6
W	2.7	2.0	1.3	.8								6.9	5.3
WNW	1.2	1.1	1.8	.4	.1							4.6	6.7
NW	.8	1.7	1.3	.5	.1							4.5	6.6
NNW	1.3	3.0	1.7	.8								6.9	6.2
VARIABLE													
CALM												22.4	
	23.7	27.6	19.9	5.4	1.0							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

830

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.4	1.5									5.5	5.0
NNE	1.9	2.0	.8									4.7	4.2
NE	.7	.4	.3									1.4	4.3
ENE	.8	.5	.5									1.9	5.1
E	.8	1.6	1.2									3.6	5.5
ESE	.4	.5	.9	.7								2.6	8.2
SE	1.2	2.7	1.4	.3								5.5	5.4
SSE	1.1	2.0	1.5	.9								5.5	6.8
S	3.1	5.0	2.8	.9								11.5	5.4
SSW	.9	2.3	2.3	.6								6.4	6.6
SW	1.1	.3	.8	.3	.1							2.6	6.4
WSW	.7			.1								.8	4.0
W	1.6	1.5	.9	.8	.1							5.0	6.1
WNW	.8	1.8	1.2	.1								3.9	6.0
NW	1.8	.5	1.1	.1								3.5	4.9
NNW	.8	2.2	1.1	.1								4.2	5.6
VARBL													
CALM												31.4	
	19.3	25.8	18.4	4.9	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

740

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE  
PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

722265

MAXWELL AFB AL

73-81

MAR

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

ALL

HOURLS (L.S.T.)

COMBINATION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.6	1.6	.2	.0							6.3	5.3
NNE	1.4	1.4	.6									3.4	4.4
NE	1.2	1.3	.5	.0								3.0	4.4
ENE	1.4	1.3	.6	.1								3.3	4.5
E	1.5	2.4	1.7	.1	.0							5.7	5.3
ESE	.9	1.6	1.2	.5	.1							4.2	6.5
SE	1.0	1.7	1.1	.4	.2							4.4	6.5
SSE	1.2	2.0	2.0	.9	.1	.0						6.2	7.1
S	2.0	3.0	3.4	1.6	.1							10.1	7.0
SSW	1.4	2.0	2.2	.8	.1	.0						6.5	6.8
SW	1.2	1.1	1.1	.3	.1							3.8	6.1
WSW	1.2	1.5	1.1	.5	.0							4.4	6.1
W	1.8	2.1	3.0	1.1	.1							8.1	6.9
WNW	.9	1.1	1.8	.9	.1	.0						5.0	7.9
NW	.8	1.1	1.5	1.2	.2							4.8	8.1
NNW	1.0	1.6	1.7	.7	.1							5.0	6.9
VARBL													
CALM												15.9	
	20.7	27.6	25.3	9.3	1.2	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

4863

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.6	1.1									4.6	4.6
NNE	5.0	4.1	.9									10.2	3.8
NE	3.5	2.2	.3									6.0	3.3
ENE	3.9	1.6	.7									6.2	3.6
E	1.6	2.5	1.1									5.1	4.7
ESE	.7	1.3	1.7									3.7	6.0
SE	.8	1.4	1.6	.4	.1							4.3	7.0
SSE	.4	1.3	1.8	.9								4.1	7.3
S	2.4	2.6	.9	.1								6.0	4.7
SSW	.9	1.3	.5	.9								3.3	5.8
SW	1.2	1.6	.7	.1								3.5	4.8
WSW	.9	2.1	.4	.3								3.7	5.2
W	2.2	3.4	1.6	.3								7.5	5.2
WNW	.5	1.1	.8	.3								2.6	6.2
NW	.8	1.3	1.4	.4								3.9	6.6
NNW	.3	1.3	.3	.3								2.1	6.7
VARBL													
CALM												23.0	
	27.1	31.0	15.6	3.2	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 761

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

MAXWELL AFB AL

73-81

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.5	1.7									4.8	5.2
NNE	3.2	2.9	.6									6.7	3.9
NE	2.4	1.6	.1									4.1	3.4
ENE	5.0	3.0	.6									8.6	3.5
E	1.7	2.6	1.2									5.6	4.9
ESE	1.0	1.7	1.4	.1								4.2	5.7
SE	.2	1.5	2.2	.6								5.0	7.7
SSE	1.0	1.5	2.2	1.6								6.3	7.9
S	.9	2.5	2.4	2.0	.2							7.9	8.3
SSW	.6	1.5	2.5	1.1								5.7	7.6
SW	.5	1.5	1.7	.2								4.0	6.7
WSW	1.2	3.1	2.1	.6								7.1	6.1
W	2.0	3.1	2.2	1.2	.4							8.9	7.1
WNW	.2	1.5	2.9	.4								5.0	7.4
NW	.5	1.7	1.7	.9								4.8	7.5
NNW	1.0	1.2	1.2	.5								4.0	6.1
VARBL													
CALM												7.4	
	23.0	32.7	26.9	9.3	.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

807



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

APR

MONTH

ALL WEATHER

CLASS

1200-1400

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.6									5.9	5.9
NNE	1.6	2.0	.4	.1								4.1	4.3
NE	1.4	1.1	.4									2.8	4.1
ENE	2.6	2.1										4.7	3.5
E	1.1	3.2	.7									5.1	4.7
ESE	.5	1.6	1.2	.1								3.5	6.0
SE	.9	1.7	1.7	.7								5.1	7.2
SSE	1.0	1.7	2.1	2.1	.1							7.0	8.2
S	.9	3.5	3.2	1.6	.9	.1						9.8	8.2
SSW	.9	2.1	4.6	1.2		.1						8.9	8.1
SW	.4	1.6	1.7	.6								4.3	7.5
WSW	1.5	2.0	4.2	.4								8.0	6.8
W	.9	2.0	3.8	2.5	.4	.1						9.6	9.1
WNW	1.0	1.0	2.6	.9								5.4	7.4
NW	.5	1.7	2.2	.6								5.1	7.4
NNW	1.2	1.0	1.7	.9								4.8	7.2
VARBL													
CALM												5.8	
	17.3	30.5	33.3	11.7	1.0	.4						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

APR

MONTH

1500-1700  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.9	2.0	.6								6.4	5.7
NNE	1.2	.7										2.0	3.2
NE	.7	.4	.4									1.5	4.2
ENE	1.2	.6										1.9	3.0
E	1.4	2.2	1.5									5.1	5.0
ESE	.9	1.9	1.5	.2								4.1	6.4
SE	.7	1.5	1.0	1.1								4.3	7.3
SSE	.6	2.2	1.6	1.4								5.8	7.5
S	1.5	4.2	3.8	1.6	.6							11.7	7.6
SSW	2.1	2.5	2.1	1.0	.2							7.9	6.7
SW	1.6	1.7	1.9	.6								5.8	6.1
WSW	2.5	3.3	3.6	.5								9.9	6.0
W	1.4	2.6	4.0	1.2	.7							9.9	8.1
WNW	.9	1.5	1.6	1.5	.2							5.7	8.7
NW	.6	1.2	2.1	.9								4.8	7.5
NNW	1.4	1.7	2.2	.1								5.4	5.8
VARBL													
CALM												7.8	
	20.3	30.2	29.2	10.8	1.9							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.6	.6									4.3	4.1
NNE	.8	.6	.1									1.5	3.6
NE	.8	.1	.1									1.0	3.0
ENE	1.3	.1										1.4	2.4
E	1.5	1.8	.4									3.7	4.2
ESE	.9	1.8	.9									3.5	4.6
SE	.9	1.6	1.6	.1								4.3	5.6
SSE	1.2	2.5	1.0	.5								5.2	5.0
S	3.9	3.5	2.4	1.0	.3	.3						11.4	6.1
SSW	2.9	1.9	1.6	.5	.3							7.2	5.5
SW	1.9	.5	.1									2.5	2.9
WSW	2.8	1.0	.1									3.9	3.0
W	3.5	2.7	.9	.1								7.2	4.0
WNW	1.8	2.1	.9	.5								5.3	5.5
NW	1.1	.6	.9	.6	.1							3.4	6.9
NNW	1.6	2.3	1.0	.1								5.1	4.5
VARBL													
CALM												29.1	
	28.6	24.9	12.6	3.5	.6	.3						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

791

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.7	.9									4.8	4.2
NNE	2.1	.5	.2									2.7	3.3
NE	.9	.5										1.4	2.8
ENE	.5	.9										1.4	3.8
E	.9	.8	.6									2.3	4.5
ESE	.6	.3	.9	.2								2.0	5.9
SE	.8	2.3	1.2									4.2	5.5
SSE	1.7	1.7	.9	.3								4.5	5.0
S	2.9	2.9	3.3	.9	.5	.2						10.5	6.7
SSW	2.0	2.6	1.1	.3	.2							6.0	5.1
SW	1.2	.9	.2	.2								2.4	3.8
WSW	1.4	.3	.3	.2								2.1	4.7
W	3.3	1.7	.9									5.9	3.7
WNW	.8	1.1	.8									2.6	4.9
NW	.5	1.1	.6	.3								2.4	6.2
NNW	1.1	1.8	.5	.2	.2							3.6	5.5
VARBL													
CALM												41.4	
	22.6	20.6	12.2	2.4	.8	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 665

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.7	1.5	.1								5.1	5.1
NNE	2.3	1.6	.4	.0								4.5	3.8
NE	1.6	1.0	.2									2.8	3.5
ENE	2.5	1.4	.2									4.1	3.5
E	1.4	2.3	.9	.0								4.6	4.8
ESE	.7	1.5	1.3	.1								3.5	5.8
SE	.7	1.7	1.6	.5	.0							4.5	6.8
SSE	.9	1.8	1.6	1.1	.0							5.5	7.2
S	2.0	3.2	2.6	1.2	.3	.1						9.6	7.0
SSW	1.6	2.0	2.1	.9	.1	.0						6.7	6.8
SW	1.2	1.4	1.1	.3								3.9	5.7
WSW	1.7	2.0	1.9	.3								5.9	5.7
W	2.2	2.6	2.3	.9	.3	.0						8.2	6.6
WNW	.9	1.4	1.6	.6	.0							4.5	7.0
NW	.7	1.3	1.5	.6	.0							4.1	7.1
NNW	1.1	1.5	1.2	.3	.0							4.2	5.9
VARBL													
CALM												18.4	
	23.1	28.5	21.9	7.1	.8	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

4687

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-74,76,78-81  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6										1.9	2.7
NNE	5.1	1.3										6.3	2.7
NE	2.5	.6										3.2	2.6
ENE	1.3	.6	.6									2.5	4.5
E	1.9	2.5	.6									5.1	4.4
ESE	.6	1.3										1.9	3.7
SE	.6	1.9										2.5	3.5
SSE	1.9	.6	.6									3.2	3.8
S	5.7	1.9	.6									8.2	3.3
SSW	2.5	.6	.6									3.8	3.7
SW	.6	.6	.6									1.9	4.3
WSW	.6	.6										1.3	3.5
W	1.9	.6	.6									3.2	4.4
WNW	.6	.6										1.3	3.5
NW		.6										.6	5.0
NNW	.6	1.3										1.9	3.7
VARBL													
CALM												51.3	
	27.6	16.5	4.4									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 158

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.6	.2									3.2	3.9
NNE	5.0	4.3	.2									9.6	3.6
NE	3.2	2.2	.2									5.6	3.3
ENE	3.1	2.8	.7									6.6	3.8
E	1.4	2.5	1.6	.1								5.6	5.3
ESE	.8	1.4	.5									2.8	4.8
SE	.6	1.7	1.0									3.2	5.6
SSE	2.0	1.8	1.1									4.9	4.6
S	2.2	1.9	1.0	.4	.1							5.5	5.5
SSW	1.9	1.2	.2	.1	.1							3.6	4.3
SW	1.4	1.1	.2									2.8	3.5
WSW	1.6	2.6	.1									4.3	3.8
W	1.9	2.9	.7									5.5	4.2
WNW	1.2	1.3	.8									3.4	4.9
NW	1.3	.5	.8	.1								2.8	5.0
NNW	.7	.5	.1									1.3	3.9
VARBL													
CALM												29.3	
	30.0	30.2	9.6	.7	.2							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

834

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.3	1.6									6.6	4.4
NNE	3.7	3.0	1.1									7.8	4.1
NE	1.6	2.2	.4	.1								4.2	4.1
ENE	3.3	3.5	.6									7.6	3.8
E	2.0	3.7	.8	.2								7.6	4.3
ESE	.5	1.6	1.9	.1								4.1	6.4
SE	.4	.5	1.3									2	6.6
SSE	1.6	1.6	1.3	.7								5.2	6.0
S	1.3	2.9	2.9	.6								7.7	6.2
SSW	.7	2.0	1.7	.5	.1							5.0	6.9
SW	1.9	1.7	1.6		.1							5.3	5.2
WSW	1.8	3.1	2.4	.2								7.6	5.7
W	1.9	4.0	3.5	.2	.1							9.7	6.0
WNW	.8	1.8	1.4	.1								4.2	5.7
NW	.6	1.3	.8	.4								3.1	6.3
NNW	1.3	1.0	.5	.1								2.9	4.4
VARBL													
CALM												9.4	
	27.1	36.0	23.8	3.4	.4							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

833



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	4.1	1.4									8.4	4.5
NNE	1.2	2.4	1.0	.1								4.7	4.9
NE	.8	1.0	.4	.1								2.3	5.3
NNE	1.3	2.8	.7									4.8	4.5
E	1.4	1.8	1.1	.1								4.4	5.1
ESE	.7	1.4	.8	.2								3.2	5.7
SE	.2	.8	1.0									2.0	6.5
SSE	.7	2.0	.8	.4								4.0	5.9
S	2.3	3.7	3.2	1.7	.1							11.1	6.7
SSW	1.3	2.6	3.0	.8	.1							7.9	7.0
SW	1.2	2.0	1.7	.6								5.5	6.3
WSW	1.2	4.0	2.4	.8								8.1	6.0
W	2.0	4.9	4.4	.8		.1						12.4	6.5
WNW	.5	1.6	2.0	.7								4.8	7.3
NW	.7	1.0	1.1	.8								3.2	6.9
NNW	1.8	2.8	1.6	.2								6.4	5.3
VARBL													
CALM												6.7	
	20.4	38.9	26.7	6.9	.2	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

832

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.1	2.2	.1								7.4	5.0
NNE	2.4	1.4	.7									4.6	4.0
NE	1.4	.7	.4									2.5	3.9
ENE	1.4	1.4	.7	.1								3.7	4.7
E	1.4	.7	1.4	.1			.1					4.2	5.8
ESE	.4	.5	.6									1.4	5.8
SE	1.1	.8	1.1	.2								3.2	5.7
SSE	1.3	2.2	1.7									5.2	5.8
S	.8	3.2	2.4	.8								7.6	6.9
SSW	2.3	3.6	1.4	.4	.4							8.0	5.9
SW	1.8	2.4	2.9	.4								7.6	5.9
WSW	2.2	3.5	2.9	.4								8.5	5.7
W	2.9	5.3	2.8	.7								11.9	5.5
WNW	1.4	2.3	1.8	.5								6.0	6.1
NW	1.2	2.3	1.4	.2								5.3	5.6
NNW	1.3	2.4	1.4	.1								5.6	5.6
VARBL													
CALM												7.3	
	25.8	36.8	25.2	4.1	.4		.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

834

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAY  
MONTH  
1800-2000  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	1.1	.5									5.1	3.4
NNE	2.7	1.6	.4									4.6	3.2
NE	1.7	1.0	.6									3.3	4.1
ENE	1.0	.7	.1	.1								1.9	4.3
E	2.2	1.5	.6									4.3	4.0
ESE	.4	.5	.2		.1							1.2	6.4
SE	1.2	.7	.7	.1								2.8	4.8
SSE	1.2	2.6	.6	.2								4.6	5.0
S	3.4	4.3	.9									8.5	4.2
SSW	2.4	1.7	.7	.4								5.2	4.5
SW	1.1	.9	.2	.1								2.3	4.1
WSW	2.1	1.0	.2									3.3	3.2
W	4.6	1.8	.9									7.3	3.6
WNW	1.3	1.6	.5	.1								3.5	4.6
NW	.7	.6	.4									1.7	4.7
NNW	1.7	2.1	.2									4.0	3.8
VARBL													
CALM												36.3	
	31.2	23.5	7.8	1.1	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEAR

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.9	.2									4.6	3.1
NNE	2.0	1.3										3.3	3.1
NE	1.1	1.1	.7									2.9	4.6
ENE	.9	.7	.2									1.8	3.6
E	1.1	1.3	.9									2.9	4.1
ESE	.7	.9	.2									1.5	3.8
SE	.9	1.5	.4	.2								2.9	5.1
SSE	1.5	1.8	.7									4.0	4.5
S	3.8	2.9	.7	.2								7.7	4.1
SSW	1.3	1.5	.9	.2								3.8	5.2
SW	.7	.9	.4	.4								2.4	5.5
WSW	1.6	.4	.2		.2							2.4	4.4
W	1.1	.4	.2									1.6	3.0
WNW	.9	.9	.9	.2								2.6	5.0
NW	.7	.2	.4									1.3	4.3
NNW	2.0	.5	.9									3.5	4.2
VARBL													
CALM												50.8	
	23.4	17.4	7.1	1.1	.2							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 547

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOORS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.3	1.0	.0								5.8	4.2
NNE	3.0	2.4	.6	.0								5.9	3.8
NE	1.7	1.3	.4	.0								3.5	4.0
ENE	1.9	2.0	.5	.0								4.5	4.1
E	1.8	2.0	1.0	.1			.0					5.0	4.8
ESE	.6	1.0	.7	.1	.0							2.4	5.6
SE	.7	1.0	.9	.1								2.7	5.6
SSE	1.4	2.0	1.0	.2								4.6	5.2
S	2.3	3.1	1.9	.6	.0							8.0	5.7
SSW	1.7	2.1	1.3	.4	.1							5.7	5.8
SW	1.4	1.6	1.1	.2	.0							4.3	5.4
WSW	1.7	2.5	1.3	.2	.0							5.7	5.2
W	2.5	3.3	2.1	.3	.0	.0						8.3	5.4
WNW	1.0	1.6	1.2	.3								4.1	5.7
NW	.9	1.0	.8	.2								2.9	5.7
NNW	1.4	1.6	.8	.1								3.9	4.8
VARBL													
CALM												22.6	
	26.4	30.8	16.9	2.9	.2	.0	.0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

4865

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73,75-76,78-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLAS

HOUS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7									2.6	4.5
NNE	4.0	.7										4.6	2.7
NE	2.0	.7										2.6	2.5
ENE	2.0	1.3										3.3	3.0
E	1.3	2.6	.7									4.6	4.7
ESE													
SE	.7	.7										1.3	3.5
SSE	.7	1.3										2.0	3.3
S	4.6	.7										5.3	2.1
SSW	2.6	.7										3.3	2.4
SW	1.3	2.0										3.3	3.0
WSW	1.3	1.3										2.6	3.5
W	1.3											1.3	2.0
WNW	.7											.7	2.0
NW	.7											.7	2.0
NNW													
VARBL													
CALM												61.6	
	23.8	13.2	1.3									100.0	1.2

TOTAL NUMBER OF OBSERVATIONS

151

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.6	.5									4.6	3.9
NNE	6.1	2.8	.4									9.3	3.1
NE	2.9	2.4	.5									5.8	3.8
ENE	3.4	1.3	.5	.1								5.3	3.7
E	1.4	2.1	.6	.1								4.3	4.8
ESE	.6	1.1	.5									2.3	4.9
SE	.8	1.3	.4									2.4	4.7
SSE	1.5	1.4	.4									3.3	3.8
S	3.8	2.0	.6									6.4	3.3
SSW	2.4	.6	.1									3.1	3.1
SW	2.4	1.0	.6									4.0	3.7
WSW	2.9	2.6	1.5									7.0	4.3
W	2.6	2.4	.8									5.8	4.0
WNW	.6	1.1	.3									2.0	4.3
NW	1.0	.3	.1									1.4	3.0
NNW	1.0	.3	.1									1.4	3.1
VARBL													
CALM												31.7	
	35.9	24.2	7.9	.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

797

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

MAXWELL AFB AL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	2.5	1.5									7.5	4.2
NNE	3.7	3.6	.1	.1								7.6	3.8
NE	3.2	3.0	.6									6.9	3.9
ENE	2.4	1.7	1.4									5.5	4.3
E	3.2	1.4	1.5									6.1	4.3
ESE	.4	.7	.5									1.6	5.5
SE	1.2	2.0	.7	.1								4.1	4.9
SSE	.9	1.2	.4	.1								2.6	4.8
S	2.0	2.0	1.1	.1								5.2	4.8
SSW	1.9	2.4	1.1	.1								5.5	4.7
SW	1.2	2.2	.7	.1								4.4	4.8
WSW	2.6	3.7	1.9	.2								8.5	5.2
W	3.4	5.9	3.2									12.5	5.0
WNW	1.5	3.0	.7									5.2	4.5
NW	.5	1.1	.2	.1								2.0	5.0
NNW	2.5	1.2	.6	.2								4.6	4.3
VARBL													
CALM												10.1	
	34.2	37.8	16.5	1.4								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

801



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.0	1.6	.2								7.0	5.2
NNE	1.5	4.5	1.0									7.0	4.6
NE	1.5	1.7	.4									3.6	4.0
ENE	1.9	3.0	.5	.1								5.5	4.4
E	1.2	3.6	.7									5.6	4.8
ESE	.9	.9	.7									2.5	4.8
SE	.2	1.0	.4									1.6	5.1
SSE	1.0	1.7	.7	.1								3.6	5.2
S	1.6	3.7	1.9	.4								7.6	5.6
SSW	1.5	2.4	2.5									6.4	5.6
SW	1.0	3.2	1.9									6.1	5.4
WSW	2.0	4.4	3.5	.4								10.2	6.0
W	2.4	6.5	3.4	.2								12.5	5.4
WNW	1.5	2.4	1.5	.1								5.5	5.2
NW	1.6	1.2	1.2	.1								4.2	4.9
NNW	2.9	1.2	.9	.1								5.1	4.1
VARBL													
CALM												5.9	
	24.8	44.6	22.8	1.9								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

801

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.7	1.9	.2								8.7	5.1
NNE	2.2	2.4	.9									5.5	4.3
NE	1.1	1.6	.4									3.1	4.2
ENE	1.0	1.4	.7	.1								3.2	4.8
E	2.5	3.7	1.4	.1								7.7	4.7
ESE	.9	.7	.6									2.2	4.6
SE	.2	1.1	1.0									2.4	6.2
SSE	.6	1.7	.5									2.9	5.1
S	.7	3.0	1.5	.1	.1							5.5	5.8
SSW	2.5	3.9	1.9	.2								8.5	5.0
SW	1.6	3.7	1.2	.1								6.7	4.9
WSW	2.1	4.9	3.4	.1								10.5	5.5
W	2.1	6.2	3.4	.4								12.1	5.6
WNW	1.6	1.9	1.5	.1								5.1	5.3
NW	.7	1.2	.7	.2								3.0	5.8
NNW	1.2	2.0	1.0	.2								4.5	5.2
VARBL													
CALM												8.2	
	24.2	43.3	22.0	2.1	.1							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

801

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.6	.9	.1	.1							5.6	4.4
NNE	2.7	1.1	.1									4.0	3.0
NE	1.1	.4	.1									1.6	3.5
ENE	2.6	.2	.2									3.1	3.1
E	1.9	2.5	.5									4.9	4.2
ESE	.9	1.9	.2									3.0	4.3
SE	1.1	1.4	.4									2.9	4.5
SSE	1.0	.5	.1	.1								1.7	4.1
S	3.6	3.2	.4	.2								7.5	3.9
SSW	4.0	2.0	.1	.1								6.2	3.3
SW	3.5	2.5	.2									6.2	3.3
WSW	3.4	2.0	.7	.2								6.4	3.8
W	2.4	2.5	.5									5.4	3.9
WNW	2.4	1.7	.2									4.4	3.5
NW	.4	.9	.4									1.9	4.5
NNW	1.1	1.5	.7	.1								3.5	5.0
VARBL													
CALM												31.7	
	35.2	26.0	6.0	1.0	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	.9									3.5	4.9
NNE	2.2	.6	.2									3.0	2.8
NE	1.3	.6	.2									2.1	3.8
ENE	.2	.7	.2									1.1	5.3
E	1.7	.9	.2									2.8	3.3
ESE	.9	1.3	.6									2.8	4.5
SE	1.1	1.3	.6									3.0	4.4
SSE	1.5	.9	.6	.2								3.2	4.4
S	2.4	3.0	.4	.2								6.0	4.1
SSW	3.0	1.1	.6									4.7	3.3
SW	2.8	.7	.2									3.7	3.1
WSW	2.2	1.7	.2									4.1	3.3
W	2.2	.9										3.2	2.7
WNW	.9	.2										1.1	2.5
NW	1.1	.4										1.5	2.5
NNW	.7	1.1										1.9	3.9
VARBL													
CALM												52.4	
	25.6	17.0	4.7	.4								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

536

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE  
PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.3	1.2	.1	.0							6.2	4.7
NNE	3.2	2.5	.4	.0								6.2	3.7
NE	1.9	1.6	.4									3.9	3.9
ENE	2.0	1.4	.6	.1								4.1	4.1
E	2.0	2.5	.9	.0								5.4	4.5
ESE	.7	1.1	.5									2.3	4.7
SE	.8	1.3	.6	.0								2.7	4.9
SSE	1.0	1.3	.4	.1								2.8	4.6
S	2.4	2.8	1.0	.2	.0							6.4	4.5
SSW	2.5	2.1	1.0	.1								5.7	4.4
SW	2.0	2.3	.8	.0								5.2	4.3
WSW	2.5	3.2	1.9	.2								7.8	5.0
W	2.5	4.1	1.9	.1								8.6	4.9
WNW	1.4	1.7	.7	.0								3.9	4.6
NW	.9	.9	.5	.1								2.3	4.6
NNW	1.6	1.2	.6	.1								3.5	4.5
VARBL													
CALM												22.9	
	30.0	32.4	13.4	1.2	.0							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 4690

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-74,77-81  
YEARS

JUL  
MONTH

ALL WEATHER  
CLIM

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.5
NNE	2.5		.6									3.2	3.6
NE	3.2	1.3										4.5	2.6
ENE	3.8	1.9										5.7	2.9
E	3.8	2.5										6.4	3.1
ESE	2.5	1.3										3.8	3.2
SE			.6									.6	7.0
SSE	1.3											1.3	3.0
S	.6	.6										1.3	3.5
SSW	1.9	.6										2.5	2.5
SW	1.3											1.3	2.0
WSW	1.9											1.9	2.3
W													
WNW	.6											.6	1.0
NW	.6											.6	2.0
NNW													
VARBL													
CALM												65.0	
	24.8	8.9	1.3									100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 157

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

MAXWELL AFB AL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0600-0800

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.2	.1									1.8	2.8
NNE	4.9	1.1										6.0	2.6
NE	2.9	1.3										4.2	2.9
ENE	2.5	2.0										4.5	3.3
E	3.5	2.6	1.7	.1								7.9	4.4
ESE	1.4	1.1	.4	.2								3.1	4.9
SE	1.1	.7	.1	.1								2.0	4.2
SSE	1.1	.4	.1									2.0	3.9
S	2.8	.4	.1									3.5	2.6
SSW	1.9	.7	.2									2.9	3.3
SW	1.7	.5	.2									2.4	3.2
WSW	4.4	2.4	.2									7.1	3.1
W	5.1	2.5	.1									7.8	3.0
WNW	1.9	.4										2.8	2.8
NW	1.2	.7										1.9	2.9
NNW	1.4	.4										1.8	2.5
VARBL													
CALM												38.4	
	39.2	18.5	3.3	.5								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	1.8	.4									6.2	3.1
NNE	2.7	2.5										5.3	3.2
NE	3.0	1.9										4.9	3.2
ENE	3.8	3.7	.5									8.0	3.8
E	2.3	3.3	1.0									6.6	4.3
ESE	1.6	1.3	.8	.5								4.2	5.7
SE	.6	1.0	.6	.1								2.3	5.3
SSE	.6	1.0	.2	.1								1.9	4.8
S	2.9	1.2	.8									4.9	3.9
SSW	1.7	1.4	.5									3.6	3.8
SW	2.6	1.7	.8									5.1	4.1
WSW	3.1	4.1	.7									7.9	4.0
W	3.0	5.1	1.3									9.4	4.4
WNW	2.3	2.0	.2									4.5	3.6
NW	1.0	2.3	.2									3.5	3.9
NNW	3.6	1.7	.5									5.7	3.3
VARB.													
CALM												16.0	
	38.7	36.0	8.6	.7								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

837



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

MAXWELL AFB AL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

SOURCE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	2.0	.4									6.0	3.4
NNE	2.4	3.6	.4									6.4	3.9
NE	1.7	2.2	.2									4.1	4.1
ENE	2.4	3.2	.5									6.5	3.9
E	1.4	3.8	2.3									7.6	5.3
ESE	1.2	1.2	1.2	.6								4.1	6.5
SE	.5	1.0	.6	.2								2.3	6.2
SSE	.7	1.3	.5	.1								2.6	5.3
S	1.9	2.3	1.2	.4								5.8	5.1
SSW	1.1	3.1	.4	.1	.1							4.8	5.1
SW	1.2	2.3	.6									4.1	4.7
WSW	2.4	4.3	2.4									9.1	5.0
W	3.0	4.4	3.7	.4								11.5	5.3
WNW	1.7	3.6	.8	.1								6.2	4.9
NW	1.1	1.3	.4	.2								3.0	5.1
NNW	3.5	2.4	.6	.2								6.7	4.0
VARBL													
CALM												9.2	
	30.1	42.0	16.1	2.4	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

833

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

JUL

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1500-1700

CLASS

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.9	1.0	.1								6.4	4.0
NNE	2.8	4.0	.4									7.2	3.9
NE	1.9	1.6	.1	.1								3.8	4.0
ENE	1.7	2.1	.6	.1								4.5	4.4
E	2.8	3.4	1.1									7.3	4.3
ESE	.2	.7	1.2	.4								2.5	7.7
SE	.2	1.3	.6	.6								.8	7.3
SSE	1.1	1.3	1.1	.2								3.3	5.7
S	.8	2.4	2.3	.6								6.2	6.8
SSW	1.0	3.3	1.5	.1								5.8	5.5
SW	1.8	2.5	.7	.1								5.2	4.3
WSW	2.5	3.3	.7	.1								6.7	4.5
W	3.8	5.8	3.4	.5								13.5	5.4
WNW	1.6	2.7	.6	.1								5.0	4.7
NW	1.5	1.6	.1									3.2	3.7
NNW	2.4	2.2	.6	.1								5.3	4.2
VARB.													
CALM												10.9	
	29.0	48.8	16.0	3.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

824

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.2	.4	.1									2.7	2.8
NNE	1.3	.2	.1									1.7	2.8
NE	1.6	.7	.1									2.4	3.1
ENE	1.1	.5										1.6	2.7
E	2.1	3.3	1.0	.2	.1							6.7	5.1
ESE	.6	.9		.5								1.9	5.9
SE	.9	.9	1.0	.4								3.0	6.0
SSE	1.3	2.7	.6									4.6	4.4
S	3.4	2.8	1.1	.2								7.8	4.3
SSW	3.4	2.6	.1									6.3	3.4
SW	2.4	1.5	.6									4.5	3.6
WSW	3.4	1.5	.7									6.0	3.5
W	5.2	3.4	.2									8.9	3.3
WNW	2.9	.9										3.4	2.4
NW	1.0	.2										1.2	2.6
NNW	1.7	.5	.2									2.4	3.4
VARBL													
CALM												34.8	
	35.4	22.4	6.0	1.3	.1							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.5									1.6	5.8
NNE	.4	.2		.2								.7	5.8
NE	1.6	.4	.2									2.2	3.2
ENE	1.3	.5										1.8	3.2
E	2.0	1.5	.4									3.8	3.9
ESE	1.3	1.8	.5									3.6	4.4
SE	1.6	1.5	.7									3.8	4.5
SSE	2.4	2.0	.5									4.9	4.2
S	3.3	2.5	.4									6.2	3.5
SSW	2.0	1.3										3.3	3.0
SW	3.1	.4										3.5	2.2
WSW	3.8	.7										4.5	2.4
W	2.9	.9	.2									4.0	3.0
WNW	.7	.4	.2									1.3	3.6
NW	.7	.2										.9	2.4
NNW	.4	.5										.9	3.8
VARBL													
CALM												52.9	
	27.8	15.5	3.6	.2								100.0	1.7

TOTAL NUMBER OF OBSERVATIONS

550

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.3	.4	.0								4.2	3.5
NNE	2.6	2.0	.2	.0								4.7	3.5
NE	2.2	1.4	.1	.0								3.7	3.4
ENE	2.3	2.1	.3	.0								4.7	3.7
E	2.4	3.1	1.2	.1	.0							6.8	4.6
ESE	1.1	1.1	.7	.4								3.3	5.8
SE	.7	1.0	.6	.2								2.6	5.7
SSE	1.1	1.4	.5	.1								3.1	4.7
S	2.4	1.9	1.0	.2								5.5	4.6
SSW	1.9	2.1	.5	.0	.0							4.4	4.2
SW	2.1	1.5	.5	.0								4.1	3.9
WSW	3.3	2.7	.6	.0								6.9	3.9
W	3.8	3.7	1.5	.1								9.2	4.4
WNW	1.9	1.7	.3	.0								3.9	3.9
NW	1.1	1.1	.1	.0								2.3	3.8
NNW	2.2	1.3	.3	.1								3.9	3.7
VARBL													
CALM												26.8	
	33.4	29.3	9.0	1.4	.0							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

4859

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

MAXWELL AFB AL

73,75-76,78-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-0500

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	3.0
NNE	2.9	1.4										4.3	2.5
NE	2.2											2.2	2.3
ENE	7.2	1.4										8.7	2.6
E	3.6	.7										4.3	2.2
ESE		1.4	.7									2.2	6.0
SE		.7										.7	4.0
SSE	.7											.7	2.0
S	4.3											4.3	2.2
SSW	2.2											2.2	1.3
SW	1.4											1.4	2.5
WSW	1.4											1.4	2.0
W	.7											.7	3.0
WNW	.7											.7	2.0
NW	.7											.7	2.0
NNW													
VARBL													
CALM												64.5	
	29.0	5.8	.7									100.0	.9

TOTAL NUMBER OF OBSERVATIONS

138

AD-A122 716

MAXWELL AFB ALABAMA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 24 AUG 82  
USAFETAC/DS-82/081 SBI-AD-8800 208 F/G 4/2

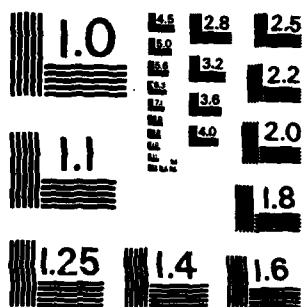
2/5

UNCLASSIFIED

USAFETAC/DS-02/051 501-AD-1880 209

**F/G 4/2**

NL



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0600-0800

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.6	.2	.1									1.9	2.9
NNE	5.9	2.7	.1									8.7	3.0
NE	4.2	2.2										6.3	3.1
ENE	4.7	2.9										7.5	3.1
E	4.7	4.7	1.4									10.8	4.1
ESE	1.3	.7	.6									2.6	4.4
SE	1.4	1.1										2.5	3.3
SSE	1.6	.5										2.0	2.7
S	2.3	.8										3.1	2.8
SSW	1.2	.4										1.6	2.6
SW	2.0	.1										2.2	2.2
WSW	1.7	.5	.1									2.3	2.8
W	2.5	.5										3.0	2.4
WNW	.7	.4	.1									1.2	3.4
NW	.4	.1										.5	2.8
NNW	.2	.4										.6	3.8
VARIABLE													
CALM												43.2	
	36.2	18.0	2.5									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.0	.2									3.0	3.1
NNE	3.0	1.0	.2									6.1	3.2
NE	3.0	2.0	.1									6.2	3.5
ENE	5.0	4.0	1.0									10.5	3.8
E	6.7	6.0	2.2	.1								15.4	4.2
ESE	1.0	1.0	1.0	.1								4.8	4.6
SE	1.2	1.7										2.9	3.7
SSE	1.0	1.7	.2									3.7	3.7
S	2.0	1.2	.7									4.8	3.7
SSW	2.0	1.0	.1									3.6	3.0
SW	1.0	1.1										2.0	3.5
WSW	2.0	2.2	.1									4.9	3.4
W	3.0	3.1	.1									7.0	3.4
WNW	1.0	1.0										2.9	3.2
NW	1.0	1.2	.1									2.3	3.7
NNW	1.0	.7	.2									2.9	3.0
VARBL													
CALM												16.2	
	44.2	33.0	6.3	.2								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	2.7	.5									6.8	3.6
NNE	3.6	4.1	.8									8.5	4.1
NE	1.7	2.9	.8									5.4	4.4
ENE	2.2	3.2	1.3									6.7	4.7
E	3.7	5.6	3.6									12.9	5.0
ESE	1.0	2.9	1.3	.5								5.6	5.9
SE	.7	1.7	.7									3.1	4.8
SSE	.7	1.7	.6	.1								3.1	5.0
S	1.0	2.9	1.0	.2								5.0	5.1
SSW	1.3	2.2	.7									4.2	4.5
SW	1.4	3.1	1.0									5.5	4.6
WSW	1.7	3.8	.5									6.0	4.4
W	2.9	6.3	.6	.1								9.9	4.3
WNW	1.1	1.0	.4									2.4	4.1
NW	.6	.8										1.4	3.8
NNW	2.5	2.0	.4									4.9	3.8
VARBL													
CALM												8.6	
	29.5	46.8	14.1	1.0								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.1	.5		.1							7.4	3.9
NNE	3.6	3.3	1.0									7.9	4.0
NE	1.6	2.9	.4									4.8	4.3
ENE	1.4	2.5	1.4									5.4	5.2
E	2.4	4.1	2.0	.1								8.6	5.2
ESE	.6	1.3	2.0									3.9	6.2
SE	.8	1.8	1.1	.1								3.8	5.5
SSE	1.2	1.6	.7	.1		.1						3.7	5.5
S	1.7	3.6	1.3	.5								7.0	5.5
SSW	1.6	3.5	1.0	.1								6.1	4.9
SW	2.4	2.2	.6	.1								5.3	4.0
WSW	3.0	4.2	.8									8.0	4.2
W	3.1	3.0	.8	.1								7.0	4.2
WNW	2.4	1.4	.5									4.3	3.7
NW	1.4	.6		.1								2.6	3.0
NNW	1.4	1.4	.5	.1								3.9	4.5
VARIABLE													
CALM												10.2	
	33.2	40.4	14.6	1.4	.2	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265

MAXWELL AFB AL

73-81

AUG

STATION

STATION NAME

YEARS

MONTHS

ALL WEATHER

1800-2000

CLASS

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6	.1									3.7	2.6
NNE	2.6	.6										3.2	2.6
NE	2.3	1.1		.1								3.5	3.4
ENE	2.9	1.4	.1									4.4	3.1
E	2.6	2.0	1.0	.2								5.9	4.4
ESE	1.3	1.8	.5									3.6	4.0
SE	1.3	1.2	.2									2.8	3.9
SSE	2.6	1.4	.4									4.5	3.5
S	3.2	3.6	.7	.1								7.7	4.1
SSW	2.3	2.0	.1	.1								4.8	3.7
SW	2.3	1.4										3.9	3.0
WSW	2.2	.6	.4									3.1	3.3
W	2.6	1.2	.5	.1								4.5	3.7
WNW	1.2	1.0										2.2	3.4
NW	.7	.4	.1									1.2	3.9
NNW	1.4	.7	.1									2.3	3.4
VARBL													
CALM												38.8	
	39.0	21.3	4.2	.7								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

836

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.6	1.2										2.6	2.9
NNE	3.0	.4		.2								3.6	3.0
NE	2.3	.4										2.7	2.5
ENE	1.2	.9	.2									2.3	3.1
E	4.6	2.0	.9									7.5	3.5
ESE	1.6	.9	.4									2.8	3.7
SE	1.6	1.6	.9	.2								3.9	4.4
SSE	1.2	.7	.2									2.1	3.4
S	4.3	3.2	.2									7.6	3.4
SSW	2.5	.9	.5									3.9	3.5
SW	1.1	1.1										2.1	3.2
WSW	.7											.7	2.0
W	1.6	.2	.2									2.0	2.7
WNW	.5	.2										.7	2.8
NW	.9	.2										1.1	2.3
NNW	.4	.5										.9	3.8
VARBL													
CALM												53.3	
	29.1	14.2	3.0	.4								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS

563

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

AUG

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

ALL

HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.5	.2		.0							4.4	3.4
NNE	3.8	2.2	.4	.0								6.0	3.4
NE	2.6	2.0	.2	.0								4.8	3.6
ENE	3.1	2.7	.7									6.4	3.9
E	4.1	4.2	1.8	.1								10.2	4.5
ESE	1.2	1.8	1.0	.1								3.9	5.0
SE	1.1	1.5	.4	.0								3.0	4.4
SSE	1.5	1.2	.3	.0		.0						3.2	4.1
S	2.5	2.4	.7	.1								5.7	4.2
SSW	1.9	1.6	.4	.0								4.0	3.9
SW	1.6	1.5	.3	.0								3.5	3.7
WSW	2.1	1.9	.3									4.3	3.8
W	2.6	2.4	.4	.1								5.6	3.8
WNW	1.3	.8	.2									2.3	3.5
NW	.9	.6	.0	.0								1.5	3.4
NNW	1.4	1.0	.2	.0								2.6	3.7
VARB													
CALM												26.0	
	34.7	29.1	7.8	.6	.0	.0						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

4895

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

74,76,78-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	1.6									4.8	4.7
NNE	8.0	4.0										12.0	3.0
NE	4.8	3.2										8.0	2.7
ENE	4.0	2.4										6.4	3.4
E	2.4	7.2		.8	.8							11.2	6.0
ESE	.8			.8								1.6	9.0
SE			.8									.8	8.0
SSE	.8											.8	2.0
S													
SSW	.8											.8	2.0
SW													
WSW													
W	.8											.8	2.0
WNW	.8	.8										1.6	3.0
NW													
NNW													
VARB.													
CALM												51.2	
	24.8	19.2	2.4	1.6	.8							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 125



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0600-0800

HOWES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.4	2.5	.1									5.0	3.7
NNE	6.4	4.5	.7	.1								11.8	3.6
NE	4.1	5.4	1.1									11.0	4.1
ENE	5.6	5.2	1.2	.1								12.1	4.1
E	3.0	4.8	1.9	.2								9.9	4.9
ESE	1.9	1.6	.5	.2								4.2	4.6
SE	.5	1.8	.1		.1							1.9	5.6
SSE	.6	.9	.2									1.7	4.3
S	1.2	1.1	.1									2.5	3.4
SSW	.9	.3	.1									1.5	3.6
SW	1.0	.2	.1									1.4	3.1
WSW	.6	.3										1.1	2.8
W	.7	1.0	.2									2.0	4.2
WNW	1.0	.7	.4									2.1	4.2
NW	.6	.4										1.0	2.9
NNW	.4	.4										1.0	3.8
VARBL													
CALM												30.0	
	31.1	31.2	6.9	.7	.2							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

808

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

NOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2	1.4	.2		.1						6.2	5.3
NNE	3.5	4.3	.7	.1								8.7	4.2
NE	3.4	3.7	1.8	.1								8.9	4.3
ENE	4.9	5.1	2.5	.5								13.0	4.7
E	4.0	6.7	5.1	.1								15.8	5.4
ESE	1.6	2.4	1.7									5.9	5.3
SE	1.1	.6	.6	.2		.1						2.7	6.1
SSE	1.6	1.6	.5		.1	.1						4.0	5.4
S	1.2	1.4	1.1									3.7	5.2
SSW	1.0	.9	.7	.1								2.7	5.1
SW	1.1	.9	.6									2.6	4.3
WSW	1.0	1.5	.5									3.0	4.4
W	1.7	2.0	.9									4.6	4.2
WNW	1.1	1.1	.8			.1						2.8	5.2
NW	.9	.9	.6									2.3	4.8
NNW	1.0	1.2	.5									2.7	4.7
VARBL													
CALM												10.4	
	31.5	26.6	19.4	1.5	.1	.5						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	4.3	1.7	.4								9.6	5.0
NNE	3.6	4.7	2.0									10.2	4.5
NE	2.0	3.2	1.1									6.3	4.7
ENE	2.7	4.7	1.7	.4								9.5	4.9
E	2.8	6.7	3.8	.4								13.7	5.7
ESE	1.2	2.0	1.6	.4								5.2	4.1
SE	.7	2.2	.6	.4								4.1	5.5
SSE	1.4	1.4	1.4									4.1	5.1
S	1.0	1.0	.9	.2	.2							3.3	6.2
SSW	.6	2.3	.6	.4		.1						4.1	6.2
SW	.9	1.2	.6	.2								3.0	5.3
WSW	2.0	3.2	.7									5.9	4.5
W	1.7	3.3	.6	.5								6.2	5.0
WNW	1.2	1.7	.6									3.6	4.6
NW	1.2	.9	1.0									3.1	4.8
NNW	.2	1.7	1.2	.2								3.5	6.4
VARB													
CALM												4.7	
	26.5	44.7	20.2	3.5	.2	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	5.2	2.1									11.9	4.5
NNE	3.5	4.1	1.0	.1								8.7	4.1
NE	1.6	4.0	.5	.1								6.2	4.4
ENE	2.2	4.0	.9	.4								7.4	4.9
E	1.9	5.7	3.1	.1								10.8	5.5
ESE	.9	1.7	1.6	.4								4.6	6.3
SE	1.1	1.9	.9									3.8	4.9
SSE	1.4	1.2	.7									3.3	4.6
S	2.1	7.0	1.1	.1		.1						5.4	5.0
SSW	1.4	1.2	1.2	.4								4.2	6.0
SW	1.7	1.6	.4	.1								3.8	4.5
WSW	1.7	1.1	.2	.2								3.3	4.3
W	3.0	2.7	1.1	.2								7.1	4.4
WNW	.7	2.1	1.1	.1								4.1	5.5
NW	1.1	.4	.2									1.7	3.6
NNW	1.0	1.4	1.4	.1								3.8	5.8
VARBL													
CALM												9.8	
	29.8	40.2	17.6	2.5		.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

808

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

SEP  
MONTH

ALL WEATHER

CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.8	.6									7.4	3.7
NNE	3.0	1.1	.4									4.4	3.1
NE	2.0	1.5	.6									4.1	4.1
ENE	2.6	2.2	1.1	.4								6.3	4.7
E	3.0	4.0	1.2	.1								8.3	4.5
ESE	1.6	2.6	1.0									5.2	4.6
SE	.5	1.2	.1									1.9	4.2
SSE	.7	1.9	.2									2.8	4.3
S	1.6	1.2	.5									3.3	3.8
SSW	1.6	1.0										2.6	3.1
SW	1.2	.5	.5									2.2	3.8
WSW	1.4	.1	.2									1.7	3.0
W	2.2	.6	.4									3.2	3.2
WNW	.6	.6										1.2	3.1
NW	1.9	.6	.1									2.6	3.1
NNW	2.1	1.0	.2									3.3	3.5
VARBL													
CALM												39.3	
	29.9	23.0	7.3	.5								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

ZONE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.6	.9									5.9	4.0
NNE	4.2	2.0										6.2	3.1
NE	4.6	1.3	.2									6.1	2.9
ENE	2.2	2.2	.9	.2								5.5	4.7
E	2.2	3.7	2.2	.2								6.3	5.3
ESE	.7	.7	.2		.2							1.8	5.0
SE	.9	1.1	.4	.2								2.6	5.1
SSE	1.5	1.5	.2									3.1	3.0
S	1.7	.9	.2									2.8	3.0
SSW	1.3	.9										2.2	3.5
SW	.6	.4										.9	3.0
WSW	.9	.4										1.3	2.7
W	.6	.7										1.3	3.6
WNW	.7	1.1	.2									2.0	3.9
NW	.9	.2										1.1	2.3
NNW	1.7											1.7	2.0
VARBL													
CALM												47.2	
	27.0	19.7	5.3	.6	.2							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

544

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.3	1.2	.1		.0						7.7	4.5
NNE	4.1	3.5	.8	.1								8.6	3.9
NE	3.0	3.3	.8	.0								7.2	4.1
ENE	3.5	3.9	1.4	.3								9.1	4.6
E	2.8	5.4	2.9	.2	.0							11.3	5.3
ESE	1.3	1.9	1.1	.2	.0							4.6	5.4
SE	.8	1.4	.5	.1	.0	.0						2.8	5.3
SSE	1.2	1.4	.6		.0	.0						3.1	4.6
S	1.4	1.3	.7	.1	.0	.0						3.5	4.7
SSW	1.1	1.1	.5	.1		.0						2.9	5.0
SW	1.2	.6	.4	.1								2.3	4.3
WSW	1.3	1.1	.3	.0								2.7	4.1
W	1.7	1.7	.6	.1								4.1	4.3
WNW	.9	1.2	.5	.0		.0						2.6	4.7
NW	1.1	.6	.3									2.0	3.9
NNW	1.0	1.0	.6	.1								2.6	4.8
VARB													
CALM												22.9	
	29.3	32.9	13.0	1.6	.1	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

4718

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

0300-0500  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.6	1.6										3.5	3.8
NNE	11.5	1.6	1.6									15.0	3.1
NE	5.3	.9										6.2	2.3
NNE	2.7											2.7	2.0
E	3.5	1.6										5.3	2.8
ESE		.9										.9	4.0
SE													
SSE													
S	.9											.9	2.0
SSW													
SW		.9										.9	6.0
WSW													
W	.9											.9	2.0
WNW	1.6	.9										2.7	4.0
NW	.9	1.6										2.7	3.3
NNW	.9	1.6	2.7									5.3	6.9
VARBL													
CALM												53.1	
	30.2	12.4	4.4									100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 113



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

0600-0600  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.4	1.0	.4								5.9	5.1
NNE	5.5	2.8	.7	.1								9.2	3.3
NE	3.9	5.0	.5									11.4	3.6
ENE	4.2	3.9	.7									8.8	3.8
E	1.4	3.4	1.6	.2								6.8	5.3
ESE	.6	1.5	.4	.1								2.3	5.6
SE	.4	.4	.7	.1								1.6	6.8
SSE	.1	.7		.1								1.0	5.1
S	.6	.9										1.5	3.8
SSW	.2	.1	.5									.9	6.0
SW	.5	.5										1.0	3.6
WSW	.5	.1										.6	2.4
W	1.6	.9	.6	.1								3.2	4.3
WNW	1.3	1.0	.5									2.8	4.2
NW	.6	.5	1.0	.1								2.2	6.1
NNW	.5	1.2	1.6									3.3	5.8
VARBL													
CALM												17.7	
	25.9	25.3	9.8	1.3								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 618

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEAR

OCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.0	3.0	3.0	.1								8.5	5.9
NNE	3.0	2.0	.0	.2								6.5	4.0
NE	3.0	2.0	.0									6.0	3.6
NNE	6.0	3.0	2.0									12.1	4.2
E	3.0	6.0	4.0	.2								13.7	5.4
ESE	1.0	2.0	2.0	.1								6.4	5.7
SE	1.0	2.0	1.0	.4								4.8	5.9
SSE	1.0	1.0	1.0	.2								4.2	5.7
S	1.0	1.0	.0									2.9	5.3
SSW	.0	.0	.0									1.9	5.9
SW	.0	.0	.0									1.4	3.6
WSW	.0	1.0	.2	.1								1.9	4.9
W	2.0	2.0	1.0	.1								5.5	4.6
WNW	1.0	1.0	1.0									3.7	6.1
NW	.0	.0	1.0	.0								3.4	7.0
NNW	.0	1.0	1.0	.1								3.4	6.6
VARBL													
CALM												13.8	
	28.5	32.4	23.1	2.2								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 634

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

OCT  
MONTHS

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.4	3.0	.5								10.1	5.6
NNE	1.7	2.3	1.2	.1								5.3	4.9
NE	1.1	2.3	.2									3.6	4.0
ENE	4.4	4.2	1.4									9.0	4.2
E	3.5	5.2	3.1									11.8	5.0
ESE	1.7	2.2	1.7	.4								5.9	5.4
SE	.4	1.2	1.3	.1								3.0	6.5
SSE	1.1	1.4	1.3	.2								4.1	5.9
S	1.2	2.5	1.9	.1								5.8	5.6
SSW	.6	.6	.7	.2								2.4	6.1
SW	.6	1.2	1.1									2.9	5.3
WSW	1.2	2.0	.8									4.1	4.7
W	2.2	2.5	2.6	.1								7.5	5.7
WNW	.8	2.2	2.4	.2								5.6	6.4
NW	1.2	1.7	1.2	.4								4.4	5.8
NNW	1.6	1.8	2.6	.4								6.4	6.2
VARIABLE													
CALM												4.2	
	25.4	36.9	26.8	2.8								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	5.2	2.5	.2								11.3	5.1
NNE	3.8	2.8	.6	.1								7.3	3.9
NE	1.6	1.7	.2									3.5	3.8
ENE	2.8	2.8	.8									6.1	4.3
E	3.2	5.9	1.6	.2								10.9	4.6
ESE	.5	2.4	1.0	.2								4.1	6.0
SE	.6	.7	.7	.1								2.2	5.7
SSE	1.1	1.7	.7	.1								3.6	4.9
S	.7	1.9	.8									3.5	5.0
SSW	.7	1.1	.7									2.5	4.8
SW	.8	.5	.4									1.7	3.9
WSW	1.6	1.3	.4									3.5	3.9
W	2.4	2.5	1.7	.4								7.0	5.0
WNW	1.4	1.4	1.1	.1								4.1	4.7
NW	1.4	2.8	1.3	.2								5.8	5.3
NNW	1.7	2.9	2.9	.1								7.6	5.8
VARB													
CALM												15.6	
	27.7	37.4	17.4	1.9								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

834

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	2.9	.8									6.7	4.0
NNE	2.5	.8										3.4	2.6
NE	1.4	.6										2.0	2.9
ENE	2.0	1.0	.1									3.1	3.2
E	3.5	3.5	1.7	.1								6.8	4.6
ESE	.5	2.3	.6	.1								3.5	5.3
SE	.5	1.1	.1									1.7	4.8
SSE	.5	.6										1.1	3.3
S	1.0	.8	.1									1.9	3.9
SSW	.2	.2										.5	3.8
SW	.7											.7	2.0
WSW	1.2											1.2	2.1
W	1.6	1.2	.2									3.0	3.4
WNW	2.8	1.1	.7									4.6	3.7
NW	1.9	.8	.1									2.9	3.2
NNW	3.0	2.8	.6									6.4	4.0
VABL													
CALM												48.7	
	26.3	19.7	5.2	.2								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

834

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.9	.5									6.1	4.0
NNE	2.9	2.2		.2								5.2	3.5
NE	3.5	1.5										5.0	3.0
NNE	1.7	1.8										3.5	3.4
E	1.8	3.5	2.5									7.9	5.6
ESE	.5	1.0	.7									2.2	5.4
SE	.2	.3	.2									.7	4.5
SSE	.7	.2	.3									1.2	4.6
S	1.5	.8	.2									2.5	3.3
SSW	.5	.5										1.0	3.5
SW	.5											.5	2.0
WSW	1.0	.2										1.2	2.0
W	1.2	.8	.5	.2								2.7	4.8
WNW	.8	1.2	.5									2.5	4.7
NW	1.2	.8	.3									2.4	3.9
NNW	1.0	2.5	.2									3.7	4.8
VARB													
CALM												51.8	
	21.7	20.3	5.9	.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 895

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
NUMBER (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.4	1.0	.2								8.1	5.1
NNE	3.6	2.2	.6	.1								6.4	3.8
NE	2.8	2.2	.3									5.3	3.5
ENE	3.4	2.9	.9									7.2	4.0
E	2.9	4.6	2.4	.1								10.0	5.0
ESE	.8	2.0	1.1	.2								4.1	5.6
SE	.9	1.0	.7	.1								2.3	5.9
SSE	.7	1.1	.6	.1								2.5	5.3
S	1.0	1.3	.7	.0								3.0	4.9
SSW	.9	.9	.9	.0								1.5	5.3
SW	.7	.9	.3									1.4	4.1
WSW	1.0	.8	.2	.0								2.1	4.0
W	1.8	1.7	1.1	.1								4.8	4.8
WNW	1.4	1.3	1.2	.1								3.9	5.1
NW	1.2	1.2	.9	.2								3.5	5.3
NNW	1.4	2.0	1.7	.1								5.2	5.5
VARBL													
CALM												28.7	
	26.2	28.7	14.9	1.5								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

4863

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.0	1.2									5.2	4.5
NNE	4.0	3.0	.7									7.8	3.8
NE	4.5	1.8	.3									6.6	3.2
ENE	3.9	2.2	.6									6.6	3.6
E	3.6	3.2	1.3									8.1	4.4
ESE	.6	1.0	1.0	.1								2.8	5.8
SE	.4	1.6	.7									2.8	5.0
SSE	1.0	.4	.9									2.4	4.8
S	.9	.9	.7									2.5	5.2
SSW	.7	.3										.9	2.8
SW	.6	.2										.7	2.6
WSW	.6											.6	2.0
W	1.9	1.9	1.0	.1								5.1	4.7
WNW	1.3	1.2	1.3	.3								4.2	5.8
NW	.6	1.4	.4	.3								3.0	5.8
NNW	.7	1.5	.9									3.1	5.0
VARBL													
CALM												37.3	
	27.6	22.6	11.4	.9								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 667



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

NOVMS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.5	2.0									7.0	5.3
NNE	2.2	1.7	.4									4.3	4.0
NE	2.5	2.3	1.5									6.3	4.5
ENE	4.2	2.5	.6									7.3	3.8
E	3.6	3.8	2.1									9.5	4.7
ESE	1.0	2.5	1.2	.1								4.8	5.5
SE	.7	2.1	1.5	.2								4.6	6.0
SSE	1.1	2.2	.7	.4								4.4	5.7
S	1.5	1.2	2.0	1.1								5.8	6.9
SSW	1.1	1.0	.7	.2								3.1	5.5
SW	1.0	.9	.9									2.7	5.4
WSW	1.1	1.4	.5									3.0	3.9
W	.6	2.0	1.4	.2								4.2	6.3
WNW	1.2	2.1	2.2	.7	.1							6.4	7.0
NW	.1	1.4	2.0	1.2								4.9	8.5
NNW	1.0	1.2	1.2	.4								3.8	6.3
VARB.													
CALM												17.8	
	24.6	32.0	20.9	4.7	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.3	1.9	.5								7.9	5.4
NNE	2.1	1.2	.7									4.1	4.4
NE	1.4	2.3	.6									4.3	4.3
ENE	1.9	2.5	.2									4.6	4.0
E	2.3	3.8	.6									6.8	4.4
ESE	1.7	2.1	1.5	.1								5.4	5.2
SE	.7	1.7	1.5	.1								4.1	5.9
SSE	1.0	2.1	2.1	.4								5.6	6.3
S	1.7	2.0	2.6	1.6								7.9	7.3
SSW	1.2	1.5	1.9	.7								5.3	7.0
SW	.9	1.5	1.2									3.6	5.9
WSW	1.5	1.2	1.0	.1		.1						4.0	5.8
W	2.1	2.1	1.6	.9								6.7	6.0
WNW	.6	1.7	2.3	1.2								5.9	7.8
NW	.7	1.7	2.7	2.7								7.9	8.6
NNW	.9	2.3	2.7	.9	.1							6.9	7.1
VARBL													
CALM												9.0	
	23.0	33.3	25.2	9.3	.1	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.7	1.1									8.8	4.1
NNE	1.5	1.1	.2									2.8	3.7
NE	1.1	1.2										2.3	3.6
ENE	1.1	.7	.4	.1								2.3	4.2
E	3.7	2.8	.9	.5								7.9	4.3
ESE	1.0	1.7	1.1	.1								4.0	3.4
SE	.6	1.6	1.7	.2								4.2	6.1
SSE	1.1	2.5	1.0	.1								4.7	4.9
S	2.5	1.9	1.0	1.2	.1							6.7	6.1
SSW	2.3	1.5	1.1	.4								5.3	5.0
SW	1.6	1.1	.4	.1								3.2	4.3
WSW	1.4	.7	.9									3.0	4.8
W	2.0	1.5	.9	.1								4.4	4.6
WNW	1.5	1.6	1.6	.9								5.6	6.8
NW	1.0	2.0	2.6	1.2								6.8	7.2
NNW	1.7	2.5	3.2	.6								8.0	6.3
VARBL													
CALM												20.0	
	28.0	28.1	18.0	5.7	.1							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	2.8	2.1	.4									5.3	3.8
NNE	2.3	1.1										3.5	2.9
NE	1.1	.6										1.7	3.0
ENE	1.6	1.0										2.6	3.0
E	2.5	1.6	.5	.2								4.8	4.2
ESE	.9	1.5	.6									3.0	5.0
SE	.5	1.6		.2								2.3	5.0
SSE	2.0	1.1	1.0	.2								4.3	4.9
S	2.1	1.9	1.1	.9								5.9	5.5
SSW	.6	.9	.4	.2								2.1	5.8
SW	.2	.4										.6	3.8
WSW	1.5	.1										1.6	2.2
W	.9	.9	.2									2.0	4.2
WNW	1.5	1.9	.7	.1								4.2	4.6
NW	3.1	2.3	.6	.4								6.4	4.3
NNW	2.1	2.1	1.8	.1								5.8	5.0
VARBL													
CALM												43.8	
	25.7	21.0	7.0	2.5								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

NOV

STATION

STATION NAME

YEARS

MONTHS

ALL WEATHER

CLASS

2100-2300

MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	1.2									5.4	4.8
NNE	3.1	2.2	.5									5.8	3.6
NE	1.4	1.4										2.7	3.2
ENE	1.7	.5										2.2	2.5
E	1.6	1.7	.4									3.7	3.9
ESE	.1	1.1	.7	.1								2.1	6.4
SE	.5	.5	.2									1.2	4.6
SSE	.9	1.1	.1	.2								2.3	4.7
S	1.5	2.2	1.1	.2								5.1	5.3
SSW	.4	1.2	.5	.2								2.3	5.9
SW	.6	.4	.4									1.4	4.8
WSW	.4	.1				.1						.6	6.6
W	1.7	1.2	.7	.1								3.8	4.5
WNW	1.4	1.6	.9	.4								4.2	5.2
NW	.7	1.1	1.4									3.2	5.7
NNW	1.7	1.5	.7									4.0	4.2
VARBL													
CALM												49.8	
	19.3	20.5	8.9	1.4		.1						100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

NOV

MONTH

ALL WEATHER

CLASS

ALL

DOES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.4	1.3	.1								6.7	4.7
NNE	2.5	1.7	.4									4.7	3.7
NE	1.4	1.4	.4									3.9	3.8
ENE	2.4	1.5	.3	.0								4.2	3.6
E	2.9	2.8	1.0	.1								6.8	4.4
ESE	.9	1.7	1.0	.1								3.7	5.5
SE	.6	1.5	1.0	.1								3.2	5.7
SSE	1.2	1.6	1.0	.2								4.0	5.4
S	1.7	1.7	1.4	.9	.0							5.7	6.2
SSW	1.1	1.2	.8	.3								3.2	5.7
SW	.6	.7	.5	.0								2.1	4.9
WSW	1.1	.4	.4	.0		.0						2.2	4.4
W	1.5	1.4	1.0	.3								4.3	5.2
WNW	1.2	1.7	1.5	.6	.0							5.1	6.4
NW	1.2	1.7	1.7	1.0								5.4	6.9
NNW	1.4	1.9	1.7	.3	.0							5.4	5.8
VARB													
CALM												29.3	
	24.6	26.4	15.3	4.2	.1	.0						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

4723

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.1	1.0	.2								5.5	4.6
NNE	4.1	3.1	.3	.2								7.9	3.6
NE	4.3	2.6										7.0	3.0
ENE	2.4	2.6	.3									5.3	3.0
E	2.2	2.6	1.4	.2								6.4	4.9
ESE	.3	.9	1.0									2.2	6.2
SE	.3	.9	.2									1.5	5.0
SSE	.2	.9	.9									1.9	6.2
S	.7	.9	.3									1.9	4.8
SSW	.7	1.0	1.0									2.7	5.4
SW	1.0	.2	.3	.3								1.9	5.8
WSW	.5	.7										1.2	3.6
W	1.9	1.7	.7	.5								4.8	4.6
WNW	1.5	1.5	1.9	.2								5.2	5.8
NW	1.2	1.0	2.7	1.0								6.0	7.0
NNW	.7	2.6	2.6									5.8	6.2
VARBL													
CALM												32.6	
	24.7	25.3	14.8	2.6								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 582

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATIONMAXWELL AFB AL  
STATION NAME73-81  
YEARSDEC  
MONTHALL WEATHER  
CLASS0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.8	3.8	.7								8.3	6.4
NNE	2.5	1.6	.9									4.9	4.0
NE	2.3	1.2	.4									3.9	3.6
NNE	3.4	3.0	.8									7.2	4.0
E	2.5	4.6	3.0									10.0	5.2
ESE	.7	2.2	1.4	.1								4.4	5.9
SE	.8	.7	.5	.3								2.2	5.6
SSE	.8	.5	.7	.5	.1							2.6	7.0
S	1.3	.8	.9	.7								3.6	6.3
SSW	.4	.9	1.4	.4								3.1	7.4
SW	.7	.5	.3	.1								1.6	5.2
WSW	1.0	1.7	1.2	.5								4.4	6.1
W	1.2	2.6	2.3	.8								6.9	6.6
WNW	1.4	2.0	2.5	.3								6.1	6.1
NW	1.6	.7	1.8	1.8								5.9	7.8
NNW	1.7	1.8	2.0	.9	.1							6.5	6.9
VARB													
CALM												18.2	
	24.2	26.4	23.8	7.0	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

768



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.5	1.8	1.0								7.8	6.0
NNE	2.2	1.0	1.0									4.3	4.2
NE	.8	1.3	.1									2.2	4.1
ENE	1.3	2.7	.7									4.7	4.6
E	1.3	3.7	2.4	.1								7.5	5.6
ESE	.3	2.9	.8	.1								3.9	5.5
SE	.7	.3	.7	.1								1.7	5.8
SSE	1.4	1.0	2.0	1.0	.1							5.6	7.1
S	1.3	1.2	1.2	1.0	.1							4.8	7.4
SSW	.7	1.2	1.7	.9								4.1	7.4
SW	1.0	1.7	1.2	.8								4.7	6.3
WSW	.8	1.7	1.8	.9								4.8	6.6
W	2.1	2.2	5.1	1.2								10.6	7.1
WNW	.9	2.0	2.7	1.2	.1							6.9	7.6
NW	1.0	2.4	3.1	1.3	.1							8.0	7.7
NNW	1.2	2.1	2.2	1.6								7.1	7.4
VARB													
CALM												11.2	
	19.7	29.4	28.5	10.6	.5							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 765

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.2	2.5	.5								8.4	5.8
NNE	.9	.8										1.7	3.3
NE	.8	.8	.3									1.9	4.0
ENE	1.3	.7	.3									2.3	3.5
E	3.2	4.0	2.0									9.2	4.7
ESE	.9	.7	.7									2.3	4.7
SE	.7	.8	.4	.3								2.1	5.6
SSE	1.2	1.3	1.2									3.7	5.4
S	2.0	3.1	2.5	1.1								8.6	6.4
SSW	.7	1.9	.9	.4								3.8	5.7
SW	2.0	1.3	1.1									4.4	4.3
WSW	1.6	1.9	.7	.4								4.5	4.9
W	1.7	4.4	2.3	.5								8.9	5.7
WNW	1.1	2.5	2.8	.5	.1							7.0	6.6
NW	1.3	1.9	2.1	1.5	.1							6.9	7.4
NNW	1.5	2.8	2.7	1.1	.3							8.2	7.1
VARBL													
CALM												16.2	
	22.9	31.8	22.3	6.2	.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 754

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

DEC

MONTHS

ALL WEATHER

CLASS

1800-2000

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.2	3.4	1.6	.3								6.6	5.6
NNE	1.0	.5										1.5	3.8
NE	.5	.1										.7	2.6
ENE	1.0	1.0	.3									2.2	3.8
E	.7	3.6	1.2									5.5	5.5
ESE	.5	1.9	1.0	.1								3.6	5.5
SE	.7	.5	1.0	.3								2.5	6.0
SSE	1.0	1.4	1.0									3.3	4.8
S	2.3	2.7	2.5	.4								8.0	5.7
SSW	.5	1.1	.5	.3								2.5	5.9
SW	.5	.3	.4									1.2	4.4
WSW	1.5	.3		.1								1.9	3.0
W	2.4	.8	1.0									4.4	4.2
WNW	2.3	1.4	.7	.3								4.7	4.4
NW	2.7	2.3	2.5	.3								7.8	5.3
NNW	1.9	2.6	1.8	.8								7.1	6.2
VARBL													
CALM												36.6	
	21.1	24.0	15.4	2.9								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

729

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.2	1.8	.3								7.7	5.1
NNE	1.4	1.5										2.9	3.4
NE	.7	.4										1.1	2.8
ENE	1.5	1.0										2.5	3.4
E	1.1	3.2	1.0	.1								5.4	5.2
ESE	.4	1.5	.8	.1								2.9	6.4
SE	.3	.3	1.3	.1								1.9	7.4
SSE	.7	.4	.7									1.8	5.4
S	1.1	1.8	2.6			.1						5.7	6.4
SSW	1.0	1.9	1.8	.3								5.0	6.2
SW	.4	.3	.1									.8	4.7
WSW	.4	.3	.1									.8	3.8
W	.8	.8	.3									1.9	4.0
WNW	1.9	1.9	2.2	.1								6.3	5.6
NW	1.8	2.5	1.9	.6								6.8	5.9
NNW	1.7	2.1	1.9	.3								6.0	5.5
VARBL													
CALM												40.3	
	17.7	23.3	16.7	1.9		.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

718

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL

73-81

DEC

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURLS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.7	2.2	.5								7.5	5.7
NNE	1.9	1.4	.4	.0								3.8	3.8
NE	1.5	1.0	.1									2.7	3.4
ENE	1.8	1.8	.4									4.0	4.0
E	1.8	3.6	1.9	.1								7.4	5.2
ESE	.6	1.6	.9	.1								3.3	5.7
SE	.6	.6	.7	.2								2.0	5.9
SSE	.9	.9	1.1	.3	.0							3.2	6.1
S	1.5	1.8	1.7	.6	.0	.0						5.6	6.2
SSW	.6	1.3	1.3	.3								3.6	6.4
SW	.9	.7	.6	.2								2.5	5.2
WSW	1.0	1.1	.7	.3								3.1	5.4
W	1.7	2.1	2.0	.5								6.4	5.9
WNW	1.5	1.9	2.2	.4	.0							6.1	6.2
NW	1.6	1.8	2.4	1.1	.0							6.9	6.8
NNW	1.5	2.3	2.2	.8	.1							6.8	6.6
VARBL													
CALM												25.4	
	21.6	26.8	20.6	5.4	.2	.0						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

4319

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722265

MAXWELL AFB AL

73-81

ALL

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

CLASS

ALL

MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.5	1.3	.2	.0	.0						6.5	4.8
NNE	2.7	2.1	.5	.0								5.4	3.8
NE	2.0	1.7	.3	.0								4.0	3.8
ENE	2.4	2.0	.6	.0								5.0	4.0
E	2.3	3.2	1.5	.1	.0		.0					7.1	4.9
ESE	.8	1.5	1.0	.2	.0							3.5	5.6
SE	.7	1.2	.8	.2	.0	.0						2.9	5.7
SSE	1.1	1.4	.8	.3	.0	.0						3.7	5.7
S	1.9	2.2	1.5	.6	.1	.0						6.2	5.8
SSW	1.4	1.6	1.0	.3	.0	.0						4.3	5.6
SW	1.2	1.2	.7	.2	.0							3.3	5.0
WSW	1.6	1.7	.9	.2	.0	.0						4.4	4.9
W	2.2	2.5	1.7	.5	.0	.0						7.0	5.6
WNW	1.3	1.5	1.2	.4	.0	.0						4.5	6.0
NW	1.1	1.2	1.2	.6	.0	.0						4.2	6.5
NNW	1.4	1.6	1.3	.4	.0							4.7	5.8
VARB													
CALM												23.4	
	26.6	29.3	16.3	4.1	.3	.1	.0					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

56607

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

ALL  
MONTH

### INSTRUMENT

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	1.2	.2		.0						5.2	5.0
NNE	2.0	1.8	.3	.0								4.1	3.8
NE	1.8	2.3	.5	.0								4.7	4.2
ENE	2.3	2.6	1.4	.1								6.4	4.8
E	3.0	3.0	3.1	.5	.0		.0					11.5	5.5
ESE	1.8	2.4	1.7	.4	.0							5.7	6.0
SE	.9	1.5	.7	.1	.0							3.3	5.5
SSE	1.3	1.9	.7	.2	.0	.0						4.2	5.3
S	1.4	2.0	1.2	.2	.0	.0						4.8	5.6
SSW	1.0	1.0	.7	.1	.0							2.9	5.2
SW	1.2	.7	.4	.1	.0							2.4	4.4
WSW	1.3	1.5	.7	.2	.0							3.6	4.9
W	2.1	2.2	2.0	.4	.0	.0						6.6	5.7
WNW	1.3	1.2	1.6	.3	.1	.0						4.5	6.4
NW	.7	1.5	1.2	.9	.0							4.4	7.2
NNW	1.2	1.6	1.2	.4	.0							4.5	6.0
VARBL												21.1	
CALM													
	24.3	31.4	18.6	4.1	.4	.1	.0					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 5376

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$					95.4		96.9			98.3						100.0
$\geq 0$																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0630-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	19.2	31.0	32.3	33.0	33.1	33.3	34.0	34.3	34.3	34.7	34.7	35.0	35.3	35.5	35.6	35.9
≥ 20000	21.6	34.9	36.3	37.0	37.2	37.3	38.1	38.4	38.4	38.8	38.8	39.1	39.4	39.5	39.7	39.9
IV 18000	21.6	34.9	36.3	37.0	37.2	37.3	38.1	38.4	38.4	38.8	38.8	39.1	39.4	39.5	39.7	39.9
IV 16000	21.6	34.9	36.3	37.0	37.2	37.3	38.1	38.4	38.4	38.8	38.8	39.1	39.4	39.5	39.7	39.9
IV 14000	21.7	35.3	36.9	37.6	37.8	37.9	38.6	38.9	38.9	39.4	39.4	39.7	39.9	40.1	40.2	40.5
IV 12000	22.1	36.6	38.2	38.9	39.1	39.2	39.9	40.2	40.2	40.7	40.7	41.0	41.2	41.4	41.5	41.8
IV 10000	22.6	38.8	40.8	41.7	41.8	42.0	42.7	43.0	43.0	43.4	43.4	43.7	44.0	44.1	44.3	44.6
IV 9000	23.0	40.1	42.1	43.0	43.1	43.3	44.0	44.3	44.3	44.7	44.7	45.0	45.3	45.4	45.6	45.9
IV 8000	23.4	42.0	44.0	44.9	45.0	45.2	45.9	46.2	46.2	46.6	46.6	46.9	47.2	47.3	47.5	47.8
IV 7000	24.1	43.1	45.3	46.3	46.5	46.6	47.5	47.8	47.8	48.2	48.2	48.5	48.8	48.9	49.1	49.3
IV 6000	24.6	44.3	46.7	47.8	47.9	48.0	48.9	49.2	49.2	49.6	49.6	49.9	50.2	50.4	50.5	50.8
IV 5000	25.0	47.3	50.2	51.2	51.5	51.7	52.5	52.8	52.8	53.3	53.3	53.5	53.8	54.0	54.1	54.4
IV 4500	25.2	48.0	51.1	52.1	52.4	52.5	53.4	53.7	53.7	54.1	54.1	54.4	54.7	54.8	55.0	55.3
IV 4000	25.6	49.1	52.1	53.1	53.4	53.5	54.4	54.7	54.7	55.1	55.1	55.4	55.7	55.9	56.0	56.3
IV 3500	25.8	50.1	53.1	54.1	54.4	54.6	55.4	55.7	55.7	56.3	56.3	56.6	56.9	57.0	57.2	57.5
IV 3000	26.5	52.2	55.3	56.3	56.6	56.7	57.6	57.9	57.9	58.5	58.5	58.8	59.0	59.2	59.3	59.6
IV 2500	27.8	54.4	57.6	59.0	59.5	59.8	60.6	60.9	60.9	61.5	61.5	61.8	62.1	62.2	62.4	62.7
IV 2000	28.8	57.7	61.1	62.7	63.2	63.5	64.4	64.7	64.7	65.3	65.3	65.6	65.8	66.0	66.1	66.4
IV 1800	29.1	58.8	62.1	63.8	64.4	64.7	65.6	65.8	65.8	66.4	66.4	66.7	67.0	67.1	67.3	67.6
IV 1500	29.7	61.4	64.8	67.0	67.7	68.0	68.9	69.3	69.3	69.9	69.9	70.2	70.5	70.6	70.8	71.1
IV 1200	30.2	63.7	67.3	69.6	70.5	70.9	71.8	72.4	72.6	73.2	73.2	73.5	73.8	74.0	74.1	74.4
IV 1000	30.2	64.8	68.9	71.3	72.4	72.8	74.0	74.7	75.0	75.7	75.7	76.0	76.3	76.4	76.6	76.8
IV 900	30.7	66.1	70.6	73.2	74.2	74.7	76.1	77.0	77.3	78.0	78.0	78.3	78.6	78.7	78.9	79.2
IV 800	30.7	66.9	71.9	74.8	76.0	76.6	78.3	79.3	79.6	80.3	80.3	80.6	80.9	81.0	81.2	81.5
IV 700	30.7	68.2	73.7	76.6	77.9	78.4	80.2	81.2	81.5	82.3	82.3	82.6	82.9	83.1	83.2	83.5
IV 600	30.7	68.9	74.4	77.4	79.3	80.0	82.2	83.8	84.4	85.2	85.2	85.5	86.0	86.3	86.4	86.7
IV 500	30.7	69.0	75.3	78.3	80.5	81.2	83.8	85.4	86.0	87.1	87.4	87.7	88.1	88.4	88.6	88.9
IV 400	30.7	69.5	76.3	79.5	81.8	82.5	85.8	87.4	88.1	89.3	89.7	90.0	90.7	91.2	91.3	91.6
IV 300	30.7	69.8	76.7	79.9	82.2	82.9	86.4	88.3	89.0	90.3	91.2	91.5	92.5	92.9	93.2	93.6
IV 200	30.7	69.8	76.7	79.9	82.2	82.9	86.7	88.9	89.6	91.3	92.5	92.8	94.5	95.1	95.8	97.0
IV 100	30.7	69.8	76.7	79.9	82.2	82.9	86.7	89.0	89.7	91.5	92.6	92.9	94.8	95.5	96.5	99.1
IV 0	30.7	69.8	76.7	79.9	82.2	82.9	86.7	89.0	89.7	91.5	92.6	92.9	94.8	95.5	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 691

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0800-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING ≥ 20000	24.1	36.3	36.9	37.1	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.6	37.6	37.6	37.6	37.6
IV 18000	28.0	42.6	43.6	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2
IV 16000	28.0	42.6	43.6	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2
IV 14000	28.1	43.0	44.0	44.1	44.3	44.5	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6
IV 12000	28.8	44.1	45.1	45.4	45.7	45.8	45.8	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9
IV 10000	29.8	46.7	48.4	48.5	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1
IV 9000	29.9	47.0	48.8	48.9	49.1	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5
IV 8000	30.3	49.4	51.2	51.4	51.7	51.8	51.8	51.8	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0
IV 7000	30.8	50.6	52.5	52.6	53.0	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
IV 6000	31.2	52.2	54.2	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9
IV 5000	32.0	55.2	57.4	57.5	57.9	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1
IV 4500	32.0	55.5	57.8	58.0	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6
IV 4000	32.1	55.9	58.1	58.4	58.7	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
IV 3500	32.5	56.4	58.7	59.0	59.4	59.5	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7
IV 3000	33.1	58.0	60.1	60.7	61.1	61.2	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
IV 2500	34.6	61.1	63.5	63.9	64.5	64.7	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0
IV 2000	35.5	64.7	67.2	67.6	68.3	68.5	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8
IV 1800	35.7	65.5	68.2	68.7	69.5	69.6	69.8	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0
IV 1500	36.6	68.7	71.4	72.4	73.2	73.3	73.6	73.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8
IV 1200	37.4	72.0	74.9	75.9	77.0	77.2	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3
IV 1000	37.8	73.6	77.0	78.1	79.4	79.8	80.9	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
IV 900	38.4	75.4	79.3	80.8	82.1	82.5	83.7	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5
IV 800	38.4	75.7	79.7	81.4	82.9	83.3	84.6	85.2	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6
IV 700	38.8	76.4	80.4	82.4	84.1	84.5	86.0	86.8	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2
IV 600	38.8	77.0	81.8	83.0	84.3	84.8	86.7	87.7	87.7	88.9	90.1	90.1	90.1	90.1	90.1	90.1
IV 500	38.8	77.6	82.4	84.6	87.4	88.4	90.8	92.0	92.2	92.6	93.2	93.2	93.2	93.2	93.2	93.2
IV 400	38.8	77.7	82.9	85.1	88.5	89.5	92.2	93.6	94.0	94.6	95.3	95.3	95.3	95.3	95.3	95.3
IV 300	38.8	77.7	83.0	85.6	88.8	89.9	93.0	94.8	95.4	96.1	97.0	97.0	97.0	97.0	97.0	97.0
IV 200	38.8	77.7	83.0	85.6	89.0	90.1	93.2	95.3	95.9	96.9	98.2	98.2	98.2	98.2	98.2	98.2
IV 100	38.8	77.7	83.0	85.6	89.0	90.1	93.2	95.3	95.9	96.9	98.2	98.2	98.2	98.2	98.2	98.2
IV 0	38.8	77.7	83.0	85.6	89.0	90.1	93.2	95.3	95.9	96.9	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 812

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	33.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	38.0	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	38.1	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	38.2	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000	39.0	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	40.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000	41.6	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	41.8	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	42.3	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	42.9	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	43.4	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000	43.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 4500	44.3	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4000	44.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 3500	45.0	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 3000	46.0	70.8	70.8	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 2500	46.2	72.6	72.6	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 2000	47.2	76.6	76.6	77.3	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1800	47.5	77.4	77.7	78.3	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1500	48.1	78.9	79.3	80.0	80.6	80.6	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1200	48.7	81.3	82.1	83.1	84.0	84.1	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1000	49.1	82.5	83.8	85.0	86.2	86.3	87.2	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	49.6	83.6	85.1	86.4	87.8	87.9	88.9	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	49.6	83.8	85.5	87.2	88.7	88.8	90.0	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 700	49.7	84.2	86.1	87.9	89.6	89.8	91.0	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	50.1	85.2	87.2	89.4	91.7	91.9	93.6	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	50.1	85.6	88.3	90.6	93.5	93.6	95.7	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 400	50.1	85.7	88.5	90.9	94.0	94.3	96.5	97.5	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	50.1	85.7	88.5	90.9	94.0	94.3	96.7	98.2	98.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	50.1	85.7	88.5	90.9	94.0	94.3	96.7	98.2	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	50.1	85.7	88.5	90.9	94.0	94.3	96.7	98.2	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	50.1	85.7	88.5	90.9	94.0	94.3	96.7	98.2	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING ≥ 20000	34.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 18000	39.5	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 16000	40.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 14000	41.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 12000	42.5	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 10000	44.0	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2
IV 9000	44.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3
IV 8000	45.5	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5
IV 7000	46.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2
IV 6000	47.3	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4
IV 5000	48.1	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3
IV 4500	48.2	69.4	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8
IV 4000	48.8	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.3
IV 3500	49.3	72.4	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0
IV 3000	50.1	74.5	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3
IV 2500	50.4	77.4	78.1	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
IV 2000	51.2	80.3	81.0	81.5	82.0	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
IV 1800	51.4	81.3	82.0	82.5	83.0	83.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
IV 1500	51.5	81.9	83.0	83.7	84.2	84.2	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
IV 1200	51.8	84.0	85.3	86.2	86.9	87.1	87.9	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5
IV 1000	51.8	84.8	86.8	87.7	88.7	88.8	89.4	89.8	90.0	90.1	90.1	90.1	90.3	90.3	90.3	90.4
IV 900	51.9	85.1	87.1	88.7	89.8	89.9	90.9	91.0	91.2	91.5	91.5	91.5	91.6	91.6	91.6	91.7
IV 800	51.9	85.5	87.4	89.3	91.0	91.1	92.1	92.4	92.6	92.8	93.0	93.0	93.1	93.1	93.1	93.2
IV 700	52.0	85.9	88.2	90.3	92.2	92.4	93.7	94.0	94.2	94.6	94.7	94.7	94.8	94.8	94.8	94.9
IV 600	52.0	86.4	88.7	91.1	93.3	93.3	94.7	94.9	95.3	95.7	95.8	95.8	95.9	95.9	95.9	96.1
IV 500	52.0	86.4	88.7	91.1	93.3	93.8	95.6	96.2	96.5	96.9	97.2	97.3	97.4	97.4	97.4	97.5
IV 400	52.0	86.4	88.7	91.4	93.6	94.1	95.9	96.5	97.4	97.9	98.4	98.5	98.8	98.8	98.8	98.9
IV 300	52.0	86.4	88.7	91.5	93.7	94.2	96.2	96.8	97.9	98.6	99.1	99.3	99.5	99.5	99.5	99.6
IV 200	52.0	86.4	88.7	91.5	93.7	94.2	96.2	96.8	97.9	98.6	99.3	99.4	99.6	99.6	99.8	99.9
IV 100	52.0	86.4	88.7	91.5	93.7	94.2	96.2	96.8	97.9	98.8	99.4	99.5	99.8	99.8	99.9	100.0
IV 0	52.0	86.4	88.7	91.5	93.7	94.2	96.2	96.8	97.9	98.8	99.4	99.5	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 811

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	33.1	48.2	48.4	48.4	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	36.2	51.8	52.2	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000	36.5	52.1	52.5	52.5	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000	37.1	52.7	53.1	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000	38.4	54.2	54.6	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000	39.2	55.8	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	40.3	57.9	58.3	58.3	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	40.5	58.4	58.7	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	41.4	60.2	60.8	60.8	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	42.6	61.8	62.4	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 6000	43.8	63.2	63.8	63.8	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	44.5	65.5	66.1	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	44.5	65.9	66.6	66.7	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4000	44.6	67.0	67.7	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 3500	45.3	68.8	69.6	69.7	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3
≥ 3000	46.1	71.9	72.8	72.9	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5
≥ 2500	47.2	76.0	77.0	77.2	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1
≥ 2000	48.5	79.7	80.7	80.9	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
≥ 1800	48.6	80.5	81.5	81.8	82.5	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0
≥ 1500	49.0	81.9	83.1	83.4	84.1	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0
≥ 1200	49.3	83.4	85.0	85.2	86.0	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 1000	49.3	84.4	86.3	86.6	87.4	87.7	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.7	88.8
≥ 900	49.3	85.3	87.6	87.9	89.0	89.3	90.1	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.6	90.8
≥ 800	49.3	85.7	87.9	88.3	89.5	89.8	90.6	91.1	91.1	91.4	91.4	91.4	91.4	91.5	91.5	91.6
≥ 700	49.3	86.1	88.4	88.9	90.8	91.0	92.0	92.7	92.7	93.0	93.0	93.0	93.0	93.1	93.1	93.2
≥ 600	49.3	86.5	88.8	89.7	92.1	92.5	93.7	94.7	94.7	95.0	95.0	95.0	95.0	95.1	95.1	95.2
≥ 500	49.3	86.7	89.2	90.4	93.2	93.7	95.3	96.4	96.4	96.8	96.8	96.8	96.8	97.0	97.0	97.2
≥ 400	49.3	86.9	89.4	90.9	93.8	94.6	96.3	97.4	97.4	97.9	98.0	98.0	98.0	98.3	98.3	98.4
≥ 300	49.3	86.9	89.4	91.0	94.3	95.2	97.3	98.5	98.5	99.0	99.1	99.5	99.8	99.8	99.8	99.9
≥ 200	49.3	86.9	89.4	91.0	94.3	95.2	97.3	98.5	98.5	99.0	99.1	99.5	99.8	99.8	99.8	99.9
≥ 100	49.3	86.9	89.4	91.0	94.3	95.2	97.3	98.5	98.5	99.0	99.3	99.6	99.9	99.9	99.9	100.0
≥ 0	49.3	86.9	89.4	91.0	94.3	95.2	97.3	98.5	98.5	99.0	99.3	99.6	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 812

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4/16	≥0
NO CEILING ≥ 20000	31.6	46.7	47.3	47.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.5
18000	35.0	50.5	51.0	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	52.2
16000	35.0	50.5	51.0	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	52.2
14000	35.0	50.5	51.0	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	52.2
12000	36.8	52.2	52.7	53.0	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.7	53.9
10000	37.4	53.7	54.2	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.4
9000	37.8	54.7	55.3	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.5
8000	38.1	55.4	55.9	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.9	56.9	57.1
7000	39.0	57.7	58.5	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.7
6000	40.6	59.5	60.3	60.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.7
5000	41.0	60.9	61.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	63.0
4500	41.5	62.5	63.4	63.6	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6	64.6	64.8
4000	42.1	63.8	64.7	65.0	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	66.2
3500	42.2	64.8	65.4	65.8	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.6	66.6	67.1
3000	42.2	65.5	66.4	66.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	68.2
2500	42.5	67.3	68.3	68.7	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	70.2
2000	43.4	72.0	73.5	73.9	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.0	75.0	75.5
1800	44.7	77.5	79.2	80.0	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.8
1500	44.7	78.2	79.9	80.8	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.6
1200	45.1	80.0	81.8	83.1	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	85.0
1000	45.7	82.2	84.0	85.4	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.7	87.2
900	45.9	83.3	85.2	86.6	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.9	87.9	88.0	88.5
800	45.9	84.7	86.8	88.3	89.3	89.6	89.6	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.1	90.7
700	45.9	85.5	87.6	89.2	90.3	90.5	90.5	90.9	90.9	91.1	91.2	91.2	91.3	91.3	91.5	91.9
600	45.9	85.6	87.9	89.7	90.9	91.2	91.5	92.0	92.0	92.1	92.3	92.3	92.4	92.4	92.5	92.9
500	45.9	86.0	88.7	90.5	92.0	92.3	92.5	93.1	93.2	93.3	93.5	93.5	93.6	93.6	93.7	94.1
400	46.2	87.0	89.9	91.9	93.6	94.0	94.7	95.3	95.5	95.6	95.7	95.7	95.9	95.9	96.0	96.4
300	46.3	87.2	90.1	92.1	94.4	94.8	95.4	96.5	96.7	96.8	96.9	96.9	97.1	97.1	97.2	97.6
200	46.3	87.2	90.1	92.3	94.8	95.5	96.7	98.0	98.1	98.3	98.4	98.4	98.5	98.5	99.1	99.9
100	46.3	87.2	90.1	92.3	94.8	95.5	96.7	98.1	98.3	98.4	98.5	98.5	98.5	99.2	99.3	99.6
0	46.3	87.2	90.1	92.3	94.8	95.5	96.7	98.1	98.3	98.4	98.5	98.5	98.5	99.2	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS 751



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	29.4	42.7	43.1	43.3	43.4	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.8	43.9	43.9	44.0
≥ 20000	33.2	47.8	48.4	48.6	48.8	48.8	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.3
IV 18000	33.3	48.0	48.5	48.7	48.9	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.4
IV 16000	33.6	48.3	48.9	49.0	49.3	49.3	49.4	49.5	49.5	49.5	49.6	49.6	49.7	49.7	49.7	49.8
IV 14000	34.4	49.2	49.8	50.0	50.2	50.2	50.3	50.4	50.4	50.4	50.5	50.5	50.6	50.6	50.6	50.7
IV 12000	35.2	50.7	51.3	51.5	51.7	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.2
IV 10000	36.2	52.9	53.7	53.9	54.1	54.2	54.3	54.3	54.3	54.4	54.4	54.5	54.5	54.6	54.6	54.7
IV 9000	36.5	53.5	54.3	54.5	54.7	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.1	55.1	55.2	55.3
IV 8000	37.2	55.9	56.7	56.9	57.2	57.2	57.3	57.4	57.4	57.4	57.5	57.5	57.6	57.6	57.6	57.7
IV 7000	38.2	57.4	58.3	58.5	58.7	58.8	58.9	59.0	59.0	59.0	59.1	59.1	59.2	59.2	59.2	59.3
IV 6000	38.8	58.8	59.8	60.0	60.2	60.3	60.4	60.5	60.5	60.5	60.6	60.6	60.7	60.7	60.7	60.8
IV 5000	39.4	61.0	62.0	62.3	62.6	62.6	62.8	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.1
IV 4500	39.6	61.6	62.7	63.0	63.3	63.4	63.5	63.5	63.5	63.6	63.6	63.7	63.7	63.8	63.8	63.9
IV 4000	39.9	62.5	63.6	63.9	64.2	64.3	64.4	64.4	64.4	64.5	64.5	64.6	64.6	64.7	64.7	64.8
IV 3500	40.2	63.7	64.9	65.2	65.6	65.6	65.8	65.8	65.8	65.9	65.9	66.0	66.0	66.1	66.1	66.2
IV 3000	41.0	66.1	67.4	67.7	68.1	68.2	68.3	68.4	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.8
IV 2500	41.8	69.2	70.7	71.2	71.7	71.8	72.0	72.0	72.0	72.1	72.1	72.2	72.2	72.2	72.3	72.4
IV 2000	42.9	73.0	74.6	75.2	75.8	76.0	76.3	76.3	76.3	76.4	76.4	76.5	76.5	76.5	76.6	76.7
IV 1800	43.0	73.9	75.5	76.2	76.8	77.0	77.3	77.3	77.3	77.4	77.4	77.5	77.5	77.6	77.6	77.8
IV 1500	43.5	75.8	77.5	78.5	79.2	79.3	79.7	79.9	79.9	80.0	80.0	80.1	80.1	80.2	80.2	80.3
IV 1200	44.0	78.1	80.0	81.1	82.0	82.2	82.8	83.0	83.1	83.2	83.2	83.2	83.3	83.3	83.4	83.5
IV 1000	44.2	79.2	81.6	82.8	83.8	84.0	84.8	85.1	85.2	85.3	85.4	85.4	85.5	85.6	85.6	85.8
IV 900	44.5	80.3	83.0	84.4	85.6	85.8	86.7	87.1	87.2	87.4	87.5	87.5	87.6	87.6	87.7	87.8
IV 800	44.5	80.8	83.5	85.2	86.6	86.8	87.8	88.3	88.5	88.7	88.8	88.9	89.0	89.0	89.1	89.1
IV 700	44.6	81.3	84.3	86.1	87.8	88.1	89.2	89.8	89.9	90.2	90.3	90.4	90.5	90.5	90.5	90.7
IV 600	44.7	81.9	85.1	87.2	89.3	89.7	91.1	91.8	92.0	92.4	92.5	92.5	92.6	92.7	92.7	92.9
IV 500	44.7	82.3	85.8	88.0	90.5	91.0	92.8	93.8	94.1	94.5	94.7	94.8	94.9	95.0	95.0	95.1
IV 400	44.7	82.5	86.2	88.5	91.2	91.9	93.9	95.0	95.5	96.0	96.3	96.4	96.6	96.7	96.7	96.9
IV 300	44.7	82.6	86.3	88.7	91.5	92.2	94.6	95.9	96.5	97.1	97.6	97.7	98.2	98.2	98.3	98.5
IV 200	44.7	82.6	86.3	88.7	91.6	92.3	94.6	96.1	96.7	97.4	98.0	98.2	98.8	98.9	99.1	99.4
IV 100	44.7	82.6	86.3	88.7	91.6	92.3	94.6	96.1	96.7	97.5	98.1	98.2	98.9	99.0	99.3	99.8
IV 0	44.7	82.6	86.3	88.7	91.6	92.3	94.6	96.1	96.7	97.5	98.1	98.2	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 4716

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

FFB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0630-0800  
DAYS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.1	≥0
NO CEILING	19.4	40.8	44.1	45.5	47.9	48.2	48.8	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.8
≥ 20000	20.9	44.8	48.5	49.8	52.4	52.9	53.6	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.7
≥ 18000	20.9	45.2	48.8	50.2	52.7	53.2	53.9	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	55.0
≥ 16000	20.9	45.2	48.8	50.2	52.7	53.2	53.9	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	55.0
≥ 14000	21.4	45.8	49.7	51.1	53.6	54.1	54.8	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.9
≥ 12000	21.5	46.2	50.2	51.5	54.1	54.5	55.3	55.6	55.6	55.9	55.9	55.9	55.9	55.9	55.9	56.4
≥ 10000	22.1	47.7	51.7	53.3	55.9	56.4	57.1	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	58.2
≥ 9000	23.2	49.1	53.0	54.7	57.3	57.7	58.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.5
≥ 8000	24.2	51.4	55.3	57.0	59.7	60.2	60.9	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	62.0
≥ 7000	24.8	52.7	56.7	58.3	61.1	61.7	62.4	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.5
≥ 6000	25.0	53.5	57.4	59.1	61.8	62.4	63.2	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	64.2
≥ 5000	26.8	56.1	60.2	61.8	64.5	65.2	66.1	66.4	66.4	66.7	66.7	66.7	66.7	66.7	66.7	67.1
≥ 4500	26.8	56.8	60.9	62.6	65.3	65.9	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.9
≥ 4000	27.3	58.3	62.4	64.1	67.0	67.6	68.5	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.8
≥ 3500	27.7	59.5	63.6	65.3	68.6	69.2	70.2	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.5
≥ 3000	28.8	62.0	66.1	68.0	71.5	72.1	73.0	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	74.4
≥ 2500	29.7	64.2	68.8	70.9	74.4	75.0	75.9	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	77.3
≥ 2000	30.2	66.1	70.9	73.2	76.7	77.3	78.2	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.5
≥ 1800	30.3	66.5	71.4	73.9	77.6	78.2	79.1	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.5
≥ 1500	30.6	68.5	73.6	76.4	80.3	80.9	82.4	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.8
≥ 1200	30.8	70.0	75.9	78.9	82.9	83.5	85.0	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.5
≥ 1000	30.9	71.5	77.9	80.9	85.0	85.8	87.3	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.9
≥ 900	30.9	72.3	78.9	82.1	86.7	87.4	89.1	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.8
≥ 800	30.9	72.7	79.7	82.9	87.9	88.6	90.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	92.3
≥ 700	30.9	73.0	80.2	83.6	88.6	89.3	91.2	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	93.3
≥ 600	30.9	73.5	80.9	84.4	89.5	90.5	92.4	94.2	94.4	94.7	94.7	94.7	94.7	94.7	94.7	95.2
≥ 500	30.9	73.5	81.1	84.7	89.8	90.8	92.9	95.0	95.2	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 400	30.9	73.5	81.1	84.7	90.2	91.1	93.2	95.5	95.6	95.9	95.9	95.9	95.9	95.9	95.9	96.5
≥ 300	30.9	73.5	81.2	84.8	90.5	91.4	93.5	95.8	96.1	96.4	96.4	96.4	96.4	96.4	96.5	97.0
≥ 200	30.9	73.5	81.2	84.8	90.5	91.4	93.6	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	97.0
≥ 100	30.9	73.5	81.2	84.8	90.5	91.4	93.6	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	97.0
≥ 0	30.9	73.5	81.2	84.8	90.5	91.4	93.6	95.9	96.2	96.7	96.7	96.7	96.7	96.7	96.7	97.0

TOTAL NUMBER OF OBSERVATIONS 660

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900- 10  
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	25.4	46.4	47.4	48.4	48.5	48.8	49.1	49.3	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	28.3	53.6	54.8	55.7	56.0	56.2	56.6	56.8	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 18000	28.5	54.1	55.3	56.2	56.5	56.8	57.2	57.3	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	28.5	54.1	55.3	56.2	56.5	56.8	57.2	57.3	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	28.6	54.7	55.8	56.8	57.0	57.3	57.7	57.8	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	29.2	56.1	57.3	58.2	58.5	58.7	59.1	59.3	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	30.5	58.0	59.1	60.1	60.3	60.6	61.0	61.1	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000	30.9	58.7	59.9	60.8	61.1	61.4	61.8	61.9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 8000	32.2	61.0	62.2	63.1	63.3	63.6	64.0	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	32.9	61.8	62.9	63.9	64.1	64.4	64.8	64.9	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	32.9	62.0	63.2	64.1	64.4	64.7	65.0	65.2	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	33.4	63.6	64.8	65.8	66.1	66.4	66.8	66.9	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	33.5	64.1	65.3	66.4	66.6	66.9	67.3	67.4	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 4000	33.6	65.2	66.4	67.4	67.7	67.9	68.3	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3500	33.6	65.4	66.9	67.9	68.2	68.6	69.0	69.1	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3000	35.5	68.7	70.2	71.2	71.5	71.9	72.4	72.5	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2500	35.9	71.0	72.4	73.5	74.0	74.5	75.2	75.3	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2000	36.3	72.8	74.4	75.4	76.0	76.5	77.1	77.3	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1800	36.4	74.0	75.6	76.6	77.1	77.7	78.4	78.6	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1500	37.1	77.1	79.1	80.4	81.3	81.9	82.8	82.9	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1200	37.1	80.3	82.7	84.5	85.4	86.1	87.0	87.1	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1000	37.1	81.2	83.8	86.2	87.5	88.3	89.2	89.4	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 900	37.1	81.9	84.6	87.0	88.4	89.2	90.3	90.4	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 800	37.1	82.8	86.2	88.7	90.3	91.1	92.2	92.4	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	37.1	83.0	86.7	89.9	91.5	92.5	93.7	94.0	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 600	37.1	83.3	87.1	90.7	92.4	93.4	95.0	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	37.1	83.3	87.3	90.8	92.8	93.8	95.8	96.7	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	37.1	83.4	87.4	90.9	92.9	94.1	96.6	97.5	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	37.1	83.4	87.4	90.9	93.0	94.2	96.8	97.8	98.0	98.6	98.6	98.7	98.8	98.8	98.8	98.8
≥ 200	37.1	83.4	87.4	90.9	93.0	94.2	96.8	97.8	98.0	98.6	98.7	98.8	99.5	99.7	99.9	100.0
≥ 100	37.1	83.4	87.4	90.9	93.0	94.2	96.8	97.8	98.0	98.6	98.7	98.8	99.5	99.7	99.9	100.0
0	37.1	83.4	87.4	90.9	93.0	94.2	96.8	97.8	98.0	98.6	98.7	98.8	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 761

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

YEARS

FFB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1800

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.16	≥.1	≥.05	≥0
NO CEILING	32.9	50.3	50.4	50.5	50.8	50.8	50.8	50.8	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	37.0	58.7	58.9	59.2	59.6	59.6	59.6	59.6	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	37.3	59.8	60.1	60.4	60.8	60.8	60.8	60.8	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 16000	37.5	60.4	60.6	60.9	61.3	61.3	61.3	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	38.2	61.3	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	38.7	62.2	62.5	62.7	63.1	63.1	63.1	63.1	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 10000	39.6	64.7	65.0	65.2	65.6	65.6	65.6	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 9000	39.9	65.7	66.0	66.3	66.7	66.7	66.7	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 8000	40.3	67.1	67.3	67.6	68.0	68.0	68.0	68.0	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	40.6	67.7	68.0	68.2	68.6	68.6	68.6	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 6000	41.3	68.8	69.0	69.3	69.7	69.7	69.7	69.7	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 5000	41.7	69.8	70.1	70.3	70.7	70.9	70.9	70.9	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4500	42.3	70.6	70.9	71.1	71.5	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4000	43.2	72.4	72.7	73.0	73.4	73.5	73.5	73.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 3500	45.0	74.5	75.1	75.3	75.7	75.9	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 3000	46.2	76.5	77.1	77.4	77.8	78.0	78.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2500	47.4	81.0	81.5	81.9	82.3	82.4	82.4	82.4	82.4	82.8	82.8	82.8	83.1	83.1	83.1	83.1
IV 2000	48.7	83.1	83.9	84.3	84.6	84.9	84.9	84.9	84.9	85.3	85.3	85.3	85.6	85.6	85.6	85.6
IV 1800	49.0	84.1	84.9	85.3	85.8	86.4	86.4	86.4	86.4	86.7	86.7	86.7	87.0	87.0	87.0	87.0
IV 1500	49.2	86.6	87.7	88.2	88.7	89.2	89.4	89.4	89.4	89.8	89.8	89.8	90.0	90.0	90.0	90.0
IV 1200	49.7	88.6	89.9	90.8	91.5	92.0	92.3	92.3	92.3	92.7	92.7	92.7	92.9	92.9	92.9	92.9
IV 1000	49.7	89.4	90.9	91.9	92.5	93.2	93.4	93.4	93.4	93.8	93.8	93.8	94.1	94.1	94.1	94.1
IV 900	49.7	89.9	91.9	93.0	93.8	94.5	94.8	94.9	94.9	95.3	95.3	95.3	95.5	95.5	95.5	95.5
IV 800	49.7	90.3	92.8	94.0	94.9	95.8	96.2	96.3	96.5	96.9	96.9	96.9	97.1	97.1	97.1	97.1
IV 700	49.7	90.4	92.9	94.1	95.0	95.9	96.5	96.6	96.7	97.1	97.1	97.1	97.4	97.4	97.4	97.4
IV 600	49.7	90.6	93.3	94.6	95.7	96.6	97.2	97.9	98.0	98.4	98.4	98.4	98.7	98.7	98.7	98.7
IV 500	49.7	90.8	93.6	95.0	96.3	97.2	98.0	98.7	98.8	99.2	99.2	99.2	99.5	99.5	99.5	99.5
IV 400	49.7	90.8	93.6	95.0	96.6	97.5	98.4	99.1	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 300	49.7	90.8	93.6	95.0	96.6	97.5	98.4	99.1	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 200	49.7	90.8	93.6	95.0	96.6	97.5	98.4	99.1	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 100	49.7	90.8	93.6	95.0	96.6	97.5	98.4	99.1	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0
IV 0	49.7	90.8	93.6	95.0	96.6	97.5	98.4	99.1	99.3	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

FF9  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	42.9	55.9	56.7	56.7	56.7	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	46.2	63.2	63.9	63.9	63.9	63.9	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	46.7	63.7	64.5	64.5	64.5	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 16000	47.1	64.3	65.1	65.1	65.1	65.1	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 14000	47.4	65.1	65.9	65.9	65.9	65.9	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	48.3	67.1	67.9	67.9	67.9	67.9	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000	49.3	69.1	69.9	69.9	69.9	69.9	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	49.7	69.6	70.4	70.4	70.4	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000	50.3	71.3	72.2	72.2	72.2	72.2	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 7000	50.5	71.6	72.5	72.5	72.5	72.5	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000	51.4	72.8	73.7	73.7	73.7	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000	52.1	73.9	75.1	75.1	75.1	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	53.0	75.3	76.4	76.4	76.4	76.4	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	54.5	77.5	78.8	78.8	78.8	78.8	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3500	55.7	79.1	80.5	80.8	80.8	80.8	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	56.4	80.7	82.2	82.6	82.6	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	57.2	83.7	85.3	85.8	85.9	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	58.7	86.1	88.0	88.6	88.7	88.7	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	58.8	86.6	88.6	89.2	89.5	89.5	89.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	59.2	88.0	90.3	90.9	91.4	91.4	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	59.5	90.0	92.2	93.0	93.6	93.6	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	59.5	90.5	92.8	93.6	94.2	94.2	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	59.9	91.3	93.7	94.6	95.4	95.5	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	59.9	91.3	93.7	94.9	95.8	95.9	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	59.9	91.3	93.7	94.9	95.8	95.9	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	59.9	91.3	94.3	95.5	96.4	96.6	97.0	97.9	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 500	59.9	91.3	94.5	95.7	96.7	96.8	97.4	98.3	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
≥ 400	59.9	91.4	94.6	95.9	97.2	97.4	98.2	99.5	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 300	59.9	91.4	94.6	95.9	97.4	97.5	98.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	59.9	91.4	94.6	95.9	97.4	97.5	98.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	59.9	91.4	94.6	95.9	97.4	97.5	98.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	59.9	91.4	94.6	95.9	97.4	97.5	98.3	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 760

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET:	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	43.7	58.7	59.6	60.0	60.0	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥20000	45.9	63.3	64.0	64.4	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	45.9	63.3	64.3	64.7	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 16000	45.9	63.5	64.4	64.8	64.8	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 14000	46.3	64.1	65.1	65.5	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 12000	47.4	66.1	67.1	67.5	67.5	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 10000	48.1	69.1	70.1	70.7	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 9000	48.2	69.2	70.3	70.8	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	48.3	71.0	72.1	72.6	72.6	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	48.3	71.4	72.5	73.0	73.0	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	48.7	71.8	72.9	73.6	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	49.9	73.8	75.2	75.8	76.0	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4500	50.6	75.0	76.4	77.2	77.3	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	51.7	77.0	78.8	79.5	79.7	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3500	52.5	78.2	79.9	80.9	81.0	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3000	53.0	79.9	82.2	83.3	83.5	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500	53.9	84.7	87.8	89.2	89.8	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 2000	54.3	86.2	89.2	90.7	91.2	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1800	54.3	86.5	89.5	91.0	91.5	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	54.6	87.8	91.0	92.6	93.1	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	54.6	88.6	91.8	93.4	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1000	54.6	88.8	92.0	93.9	94.7	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 900	54.7	89.5	92.7	94.7	96.0	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	54.7	89.6	93.1	95.2	96.5	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 700	54.8	89.9	93.4	95.6	96.9	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	54.8	89.9	93.5	95.9	97.2	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500	54.8	89.9	93.5	95.9	97.2	98.0	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	54.8	90.0	93.6	96.0	97.3	98.1	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	54.8	90.0	93.6	96.0	97.3	98.1	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	54.8	90.0	93.6	96.0	97.3	98.1	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	54.8	90.0	93.6	96.0	97.3	98.1	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	54.8	90.0	93.6	96.0	97.3	98.1	98.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 753

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0.01
NO CEILING	42.2	59.0	59.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	43.6	62.8	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	43.6	62.8	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 16000	43.8	63.0	63.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 14000	44.2	63.6	64.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	45.1	65.1	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 10000	45.3	66.9	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	45.3	67.0	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	45.3	68.0	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	45.3	68.9	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	45.6	69.6	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	46.5	71.9	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500	46.8	73.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	47.2	74.9	75.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3500	48.6	76.9	77.9	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	49.8	80.3	81.5	83.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2500	50.5	82.9	84.5	86.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2000	51.1	85.4	86.9	88.7	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1800	51.1	86.2	87.8	89.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	51.1	87.1	88.8	90.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	51.1	87.8	89.5	91.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	51.1	88.1	90.0	92.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	51.1	89.0	90.8	93.3	95.0	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	51.1	89.1	91.0	93.5	95.3	95.4	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	51.1	89.4	91.2	94.3	96.0	97.0	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	51.1	89.4	91.2	94.3	96.0	97.0	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	51.1	89.4	91.7	94.7	96.7	97.7	97.8	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	51.1	89.7	92.0	95.0	97.0	98.0	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	51.1	89.7	92.0	95.0	97.0	98.0	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	51.1	89.7	92.3	95.3	97.3	98.3	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	51.1	89.7	92.3	95.3	97.3	98.3	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	51.1	89.7	92.3	95.3	97.3	98.3	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 697

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	34.5	51.8	53.0	53.5	54.0	54.1	54.3	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.7
≥ 20000	37.1	57.7	59.0	59.6	60.1	60.2	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.8
≥ 18000	37.3	58.2	59.5	60.1	60.6	60.7	60.9	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.3
≥ 16000	37.4	58.5	59.7	60.3	60.8	60.9	61.1	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 14000	37.8	59.2	60.5	61.0	61.5	61.7	61.9	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 12000	38.5	60.6	61.9	62.4	62.9	63.1	63.3	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.7
≥ 10000	39.3	62.6	64.0	64.6	65.1	65.3	65.4	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	39.7	63.1	64.6	65.1	65.6	65.9	66.1	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.8
≥ 8000	40.2	65.0	66.4	67.0	67.5	67.7	67.9	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.3
≥ 7000	40.5	65.7	67.1	67.7	68.2	68.4	68.6	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0
≥ 6000	41.0	66.5	67.8	68.5	69.0	69.2	69.3	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	41.6	68.2	69.7	70.4	71.0	71.2	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8
≥ 4500	42.3	69.2	70.7	71.5	72.0	72.2	72.4	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.9
≥ 4000	43.0	70.9	72.5	73.3	73.9	74.1	74.3	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.8
≥ 3500	44.0	72.3	74.0	74.9	75.6	75.8	76.0	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3000	45.1	74.7	76.5	77.5	78.3	78.6	78.8	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.3
≥ 2500	45.9	78.0	80.1	81.3	82.2	82.4	82.7	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.2
≥ 2000	46.7	80.0	82.4	83.6	84.6	84.9	85.1	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.7
≥ 1800	46.8	80.6	83.1	84.4	85.5	85.8	86.1	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.6
≥ 1500	47.1	82.7	85.2	86.7	87.9	88.3	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2
≥ 1200	47.2	84.4	87.2	88.8	90.2	90.5	91.0	91.2	91.2	91.4	91.4	91.4	91.4	91.5	91.5	91.5
≥ 1000	47.3	85.1	88.1	90.0	91.6	91.8	92.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 900	47.4	85.8	89.0	91.0	92.7	93.1	93.7	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 800	47.4	86.2	89.6	91.7	93.6	94.1	94.7	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.5
≥ 700	47.4	86.4	89.9	92.2	94.1	94.9	95.5	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 600	47.4	86.5	90.1	92.7	94.6	95.4	96.2	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.5	97.5
≥ 500	47.4	86.6	90.5	93.0	95.0	95.8	96.7	97.7	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.2
≥ 400	47.4	86.7	90.6	93.1	95.3	96.1	97.3	98.4	98.6	98.8	98.8	98.8	98.8	98.9	98.9	99.0
≥ 300	47.4	86.7	90.6	93.1	95.4	96.2	97.4	98.5	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.2
≥ 200	47.4	86.7	90.6	93.2	95.4	96.3	97.5	98.6	98.8	99.0	99.1	99.2	99.2	99.4	99.5	99.6
≥ 100	47.4	86.7	90.6	93.2	95.4	96.3	97.5	98.6	98.8	99.0	99.1	99.2	99.2	99.4	99.5	99.6
≥ 0	47.4	86.7	90.6	93.2	95.4	96.3	97.5	98.6	98.8	99.0	99.1	99.2	99.2	99.4	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 8609

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING ≥ 20000	12.8	34.9	37.3	39.2	40.1	40.4	40.8	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 18000	14.5	40.2	43.1	45.1	46.1	46.4	46.8	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 16000	14.6	40.5	43.3	45.4	46.3	46.7	47.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 14000	14.6	40.6	43.5	45.5	46.4	46.8	47.2	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 12000	15.3	41.7	44.5	46.6	47.5	47.9	48.3	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 10000	15.7	42.9	45.9	48.0	48.9	49.3	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 9000	16.6	45.8	49.0	51.2	52.1	52.5	52.9	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	16.7	46.8	50.2	52.4	53.3	53.7	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 7000	17.6	50.6	53.9	56.3	57.2	57.6	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 6000	18.0	51.6	55.4	57.7	58.6	59.0	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 5000	18.1	52.1	55.9	58.2	59.4	59.8	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 4500	18.4	53.9	58.0	60.4	61.6	62.0	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 4000	18.9	55.2	59.4	61.8	63.3	63.6	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3500	19.0	56.0	60.3	62.9	64.3	64.8	65.3	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 3000	19.1	57.1	61.4	64.2	65.7	66.2	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 2500	19.7	58.7	63.5	66.2	67.9	68.4	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 2000	20.3	61.2	66.1	69.0	70.6	71.2	71.8	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 1800	21.7	64.6	69.7	72.6	74.3	74.8	75.4	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 1500	22.3	65.8	71.0	73.9	75.9	76.5	77.1	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 1200	23.4	69.2	74.6	77.7	80.7	81.2	82.0	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1000	23.9	71.0	76.8	80.2	83.2	83.7	84.6	85.1	85.1	85.3	85.3	85.3	85.3	85.4	85.4	85.4
IV 900	24.2	72.6	78.8	82.1	85.3	85.8	86.9	87.5	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7
IV 800	24.2	73.0	79.8	83.6	86.8	87.3	88.5	89.0	89.0	89.1	89.1	89.1	89.3	89.3	89.3	89.3
IV 700	24.3	73.4	80.3	84.1	87.6	88.1	89.3	89.8	89.8	89.9	89.9	89.9	90.0	90.2	90.2	90.2
IV 600	24.3	74.0	81.1	84.9	88.5	89.0	90.2	90.8	90.8	91.1	91.1	91.1	91.2	91.3	91.3	91.3
IV 500	24.5	74.8	82.1	86.2	90.2	90.8	92.1	92.9	92.9	93.1	93.3	93.3	93.4	93.5	93.5	93.5
IV 400	24.6	75.3	82.7	86.7	90.7	91.3	92.6	93.4	93.4	93.7	93.8	93.8	93.9	94.0	94.0	94.0
IV 300	24.6	75.7	83.1	87.1	91.3	92.0	93.8	94.7	94.7	95.2	95.3	95.3	95.6	95.9	95.9	96.2
IV 200	24.6	75.7	83.1	87.1	91.7	92.4	94.4	95.5	95.5	96.0	96.1	96.1	96.4	96.6	96.8	97.5
IV 100	24.6	75.7	83.1	87.3	92.1	92.8	94.8	95.9	95.9	96.4	96.5	96.6	97.0	97.3	97.5	99.9
IV 0	24.6	75.7	83.1	87.3	92.1	92.8	94.8	95.9	95.9	96.4	96.5	96.6	97.0	97.3	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 773

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING ≥ 20000	21.2	42.6	43.3	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0
IV 18000	24.0	49.3	50.0	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000	24.3	49.6	50.4	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1
IV 14000	24.4	49.8	50.5	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2
IV 12000	24.4	50.2	51.0	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000	25.1	51.7	52.4	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1
IV 9000	26.0	53.8	54.5	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3
IV 8000	26.6	54.4	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9
IV 7000	27.3	57.3	58.1	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9
IV 6000	27.8	58.5	59.9	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.8	60.8	60.8	60.8	60.8	60.8
IV 5000	28.7	60.2	61.1	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1
IV 4500	28.9	61.4	62.4	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.8	63.8	63.8	63.8	63.8	63.8
IV 4000	29.4	62.2	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
IV 3500	29.9	63.9	65.1	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
IV 3000	30.0	65.3	66.7	67.7	68.1	68.1	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
IV 2500	31.1	68.4	70.0	71.1	71.8	71.8	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
IV 2000	32.2	70.9	72.8	74.3	74.6	74.6	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
IV 1800	34.0	75.7	78.2	79.8	80.3	80.3	80.7	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9
IV 1500	34.6	77.3	79.8	81.3	81.9	81.9	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
IV 1200	35.4	80.4	83.4	84.9	85.9	85.9	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6
IV 1000	36.1	82.7	85.9	87.6	88.6	88.6	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
IV 900	36.7	85.4	88.6	90.4	91.5	91.5	92.1	92.1	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5
IV 800	36.7	85.9	89.6	91.4	92.5	92.5	93.1	93.1	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	36.7	86.5	90.3	92.1	93.2	93.2	93.9	93.9	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4
IV 600	36.7	86.8	90.8	92.6	93.8	93.8	94.5	94.5	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1
IV 500	36.7	87.0	91.0	92.8	94.1	94.1	94.9	94.9	95.1	95.3	95.6	95.6	95.6	95.6	95.6	95.6
IV 400	36.7	87.2	91.6	93.5	95.6	95.6	96.5	96.5	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	36.7	87.2	91.6	93.7	96.2	96.2	97.2	97.2	97.8	98.3	98.7	98.9	99.0	99.0	99.0	99.2
IV 200	36.7	87.2	91.6	93.7	96.3	96.3	97.4	97.4	98.4	98.9	99.4	99.6	99.6	99.8	99.8	99.9
IV 100	36.7	87.2	91.6	93.7	96.3	96.3	97.5	97.5	98.4	99.0	99.5	99.8	99.8	99.9	99.9	100.0
IV 0	36.7	87.2	91.6	93.7	96.3	96.3	97.5	97.5	98.4	99.0	99.5	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 834

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS T-1

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING ≥ 20000	29.5	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 18000	35.1	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 16000	35.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 14000	35.5	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 12000	36.6	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	38.5	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	39.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 8000	40.4	65.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 7000	40.5	66.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	40.7	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 5000	41.2	68.3	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4500	41.6	69.8	70.1	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 4000	42.7	72.2	72.5	72.8	73.2	73.5	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	43.0	74.2	74.6	74.8	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 3000	43.7	78.6	79.2	79.5	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 2500	45.2	83.0	83.8	84.0	84.8	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	47.0	86.6	87.5	87.8	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	47.2	87.2	88.1	88.4	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1500	47.7	88.6	89.7	90.2	91.9	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1200	47.8	89.6	90.7	91.5	93.4	93.8	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	47.8	90.7	92.0	92.8	95.0	95.3	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 900	47.8	91.3	92.6	93.4	95.6	95.9	96.3	96.4	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	47.9	91.5	93.1	94.0	96.2	96.5	96.9	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	48.0	91.9	93.4	94.5	96.9	97.3	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	48.1	92.0	93.5	94.6	97.1	97.5	98.2	98.3	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	48.1	92.1	94.0	95.3	97.8	98.3	99.0	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	48.1	92.1	94.0	95.3	97.8	98.4	99.2	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	48.1	92.1	94.0	95.3	97.8	98.4	99.3	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	48.1	92.1	94.0	95.3	97.8	98.4	99.3	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	48.1	92.1	94.0	95.3	97.8	98.4	99.3	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	48.1	92.1	94.0	95.3	97.8	98.4	99.3	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	34.1	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	41.7	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 18000	41.7	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 16000	41.7	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	42.8	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 12000	43.7	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	45.6	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 9000	46.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 8000	48.7	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	49.3	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 6000	49.6	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 5000	50.6	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 4500	50.6	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4000	52.1	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	53.6	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3000	54.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2500	54.6	84.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2000	55.9	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	55.9	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	56.7	88.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1200	56.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000	56.3	90.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	56.6	91.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 800	56.6	91.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 700	56.6	92.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 600	56.6	92.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 500	56.6	92.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 400	56.6	92.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 300	56.6	92.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 200	56.6	92.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 100	56.6	92.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 0	56.6	92.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5

TOTAL NUMBER OF OBSERVATIONS 837

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	35.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 20000	41.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 18000	41.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	41.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	42.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000	43.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 10000	45.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 9000	45.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 8000	46.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 7000	47.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000	48.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 5000	48.7	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4500	49.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4000	50.1	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 3500	50.7	81.9	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3000	51.2	83.7	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2500	51.3	85.5	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2000	51.7	87.7	88.2	88.6	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1800	51.7	88.4	88.9	89.5	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1500	52.3	90.2	91.0	91.7	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.5	92.7	92.7	92.7	92.7
IV 1200	52.7	91.1	92.0	93.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.5	94.6	94.6	94.6	94.6
IV 1000	52.7	91.4	92.4	93.7	94.8	94.9	95.2	95.3	95.3	95.3	95.3	95.4	95.5	95.5	95.5	95.5
IV 900	52.9	92.2	93.4	94.7	95.9	96.0	96.3	96.4	96.5	96.7	96.7	96.9	97.0	97.0	97.0	97.0
IV 800	52.9	92.2	93.5	94.8	96.3	96.4	96.9	97.0	97.1	97.3	97.3	97.5	97.6	97.6	97.6	97.6
IV 700	52.9	92.4	94.0	95.4	97.3	97.5	98.0	98.1	98.2	98.7	98.7	98.8	98.9	98.9	98.9	98.9
IV 600	52.9	92.5	94.2	95.7	97.8	98.0	98.4	98.7	98.8	99.3	99.3	99.4	99.5	99.5	99.5	99.5
IV 500	52.9	92.7	94.3	95.8	98.0	98.1	98.6	99.0	99.2	99.6	99.6	99.8	99.9	99.9	99.9	99.9
IV 400	52.9	92.7	94.3	95.8	98.0	98.1	98.6	99.2	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0
IV 300	52.9	92.7	94.3	95.8	98.0	98.1	98.6	99.2	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0
IV 200	52.9	92.7	94.3	95.8	98.0	98.1	98.6	99.2	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0
IV 100	52.9	92.7	94.3	95.8	98.0	98.1	98.6	99.2	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0
IV 0	52.9	92.7	94.3	95.8	98.0	98.1	98.6	99.2	99.3	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 830

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	36.1	52.8	52.8	52.8	53.0	53.0	53.0	53.1	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	39.2	60.0	60.0	60.0	60.1	60.1	60.1	60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5
IV 18000	39.3	60.3	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.8
IV 16000	39.6	60.5	60.5	60.5	60.5	60.7	60.7	60.8	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1
IV 14000	39.6	60.7	60.7	60.7	60.8	60.8	60.8	60.9	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	39.7	62.3	62.3	62.3	62.4	62.4	62.4	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8
IV 10000	42.6	66.2	66.2	66.2	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.8	66.8	66.8	66.8
IV 9000	42.6	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.6	66.8	66.8	66.9	66.9	66.9	66.9
IV 8000	43.9	68.0	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 7000	44.5	69.1	69.1	69.1	69.2	69.2	69.2	69.3	69.3	69.5	69.6	69.6	69.6	69.6	69.6	69.6
IV 6000	45.4	70.1	70.1	70.1	70.3	70.3	70.3	70.4	70.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000	47.2	73.8	73.8	73.8	74.1	74.1	74.1	74.2	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5
IV 4500	48.4	75.4	75.4	75.4	75.7	75.7	75.7	75.8	75.8	75.9	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000	49.3	77.4	77.7	77.7	78.0	78.0	78.0	78.1	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	50.5	79.2	79.3	79.3	79.6	79.6	79.6	79.7	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	51.4	82.2	82.8	83.1	83.5	83.5	83.5	83.6	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500	51.5	83.5	84.2	84.5	84.9	84.9	84.9	85.0	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	52.7	86.6	87.1	87.4	88.0	88.0	88.0	88.1	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	53.2	87.4	88.2	88.5	88.9	88.9	88.9	89.1	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	53.2	88.0	89.1	89.5	90.0	90.0	90.0	90.4	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200	53.5	88.6	89.7	90.4	91.6	91.6	92.0	92.3	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	54.1	89.5	90.5	91.2	92.8	92.8	93.2	93.5	93.5	93.9	94.1	94.1	94.1	94.1	94.1	94.1
IV 900	54.1	90.3	91.5	92.3	93.9	93.9	94.6	95.0	95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	54.2	90.8	92.0	93.0	95.0	95.0	95.8	96.5	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2
IV 700	54.2	91.2	92.8	93.8	95.9	96.1	96.9	97.6	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	54.2	91.2	93.2	94.2	96.5	96.6	97.4	98.2	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	54.2	91.6	93.9	94.9	97.3	97.4	98.2	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	54.2	91.6	93.9	94.9	97.3	97.4	98.2	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	54.2	91.6	93.9	94.9	97.3	97.4	98.2	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	54.2	91.6	93.9	94.9	97.3	97.4	98.2	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	54.2	91.6	93.9	94.9	97.3	97.4	98.2	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	54.2	91.6	93.9	94.9	97.3	97.4	98.2	99.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 780

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.15	≥.1	≥0
NO CEILING	28.2	45.3	45.9	46.3	46.5	46.5	46.6	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	32.7	53.9	54.5	54.9	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	32.8	54.0	54.6	55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	32.9	54.2	54.8	55.3	55.4	55.5	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	33.4	55.3	55.8	56.3	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 12000	34.0	57.2	57.8	58.2	58.4	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	35.7	60.5	61.2	61.6	61.8	61.9	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1
IV 9000	36.1	61.2	61.9	62.4	62.5	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 8000	37.5	64.0	64.7	65.2	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 7000	37.9	65.1	65.9	66.4	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	38.5	65.9	66.7	67.2	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	39.2	68.0	68.9	69.4	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 4500	39.8	69.3	70.3	70.8	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4000	40.5	71.2	72.1	72.8	73.2	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3500	41.2	73.0	74.0	74.7	75.2	75.3	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
IV 3000	41.9	75.7	77.0	77.7	78.3	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	42.5	78.2	79.6	80.4	81.1	81.2	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
IV 2000	43.8	81.6	83.3	84.3	85.1	85.3	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	44.2	82.4	84.2	85.2	86.1	86.3	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
IV 1500	44.7	84.2	86.2	87.3	88.6	88.8	89.2	89.3	89.3	89.4	89.4	89.4	89.5	89.5	89.5	89.5
IV 1200	45.1	85.5	87.7	89.1	90.6	90.8	91.3	91.5	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7
IV 1000	45.3	86.7	89.1	90.5	92.3	92.5	93.1	93.3	93.3	93.4	93.5	93.5	93.6	93.6	93.6	93.6
IV 900	45.4	87.4	90.0	91.6	93.4	93.6	94.2	94.5	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9
IV 800	45.5	87.7	90.5	92.1	94.0	94.2	95.0	95.2	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.7
IV 700	45.5	88.1	91.0	92.7	94.8	95.0	95.8	96.1	96.2	96.5	96.5	96.6	96.7	96.7	96.7	96.7
IV 600	45.5	88.4	91.5	93.2	95.4	95.7	96.5	97.0	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.7
IV 500	45.5	88.6	91.9	93.6	96.1	96.3	97.3	97.8	97.9	98.2	98.4	98.4	98.5	98.5	98.5	98.5
IV 400	45.5	88.7	92.0	93.8	96.3	96.6	97.7	98.2	98.4	98.8	98.9	99.0	99.1	99.1	99.1	99.2
IV 300	45.5	88.7	92.0	93.8	96.4	96.7	97.8	98.5	98.7	99.1	99.2	99.3	99.4	99.4	99.4	99.6
IV 200	45.5	88.7	92.0	93.8	96.4	96.8	97.9	98.6	98.7	99.2	99.3	99.4	99.5	99.5	99.6	99.9
IV 100	45.5	88.7	92.0	93.8	96.4	96.8	97.9	98.6	98.7	99.2	99.3	99.4	99.5	99.5	99.6	100.0
IV 0	45.5	88.7	92.0	93.8	96.4	96.8	97.9	98.6	98.7	99.2	99.3	99.4	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 4865

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
MOON 1.1

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅓	≥ ⅒	≥ ⅛	≥ 0
NO CEILING	26.0	46.3	48.2	49.8	50.3	50.6	51.2	51.2	51.2	51.2	51.2	51.4	51.5	51.5	51.5	51.8
≥ 20000	28.6	52.8	55.7	57.4	58.3	58.6	59.5	59.7	59.7	59.7	59.7	59.8	59.9	59.9	59.9	60.2
IV 18000	28.6	53.0	55.8	57.6	58.5	58.7	59.7	59.8	59.8	59.8	59.8	59.9	60.1	60.1	60.1	60.3
IV 16000	28.6	53.1	56.0	57.7	58.6	58.9	59.8	59.9	59.9	59.9	59.9	60.1	60.2	60.2	60.2	60.4
IV 14000	28.8	54.0	56.9	58.6	59.7	59.9	60.8	61.0	61.0	61.0	61.0	61.1	61.2	61.2	61.2	61.5
IV 12000	29.6	55.7	58.7	60.4	61.5	61.8	62.7	62.8	62.8	62.8	62.8	62.9	63.1	63.1	63.1	63.3
IV 10000	30.4	57.3	61.0	62.7	63.7	64.0	64.9	65.0	65.0	65.0	65.0	65.2	65.3	65.3	65.3	65.6
IV 9000	30.6	58.1	61.8	63.5	64.7	64.9	65.8	66.0	66.0	66.0	66.0	66.1	66.2	66.2	66.2	66.5
IV 8000	31.5	60.6	64.7	66.6	67.8	68.1	69.0	69.1	69.1	69.1	69.1	69.3	69.4	69.4	69.4	69.6
IV 7000	31.9	61.5	65.7	67.7	68.9	69.1	70.0	70.2	70.2	70.2	70.2	70.3	70.4	70.4	70.4	70.7
IV 6000	32.2	62.0	66.4	68.5	69.6	69.9	70.8	71.0	71.0	71.0	71.0	71.1	71.2	71.2	71.2	71.5
IV 5000	32.9	63.7	68.3	70.6	71.7	72.0	72.9	73.1	73.1	73.1	73.1	73.2	73.3	73.3	73.3	73.6
IV 4500	33.1	64.4	69.1	71.4	72.5	72.8	74.0	74.1	74.1	74.1	74.1	74.2	74.4	74.4	74.4	74.6
IV 4000	33.1	65.4	70.2	72.4	73.6	73.9	75.0	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.7
IV 3500	33.6	66.4	71.1	73.3	74.5	74.8	76.0	76.1	76.1	76.1	76.1	76.2	76.3	76.3	76.3	76.6
IV 3000	33.9	67.5	72.7	75.0	76.2	76.5	77.7	77.8	77.9	77.9	77.9	78.1	78.2	78.2	78.2	78.4
IV 2500	34.7	70.4	75.6	77.9	79.1	79.4	80.6	80.7	80.8	80.8	80.8	80.9	81.1	81.1	81.1	81.3
IV 2000	34.8	71.6	77.0	79.4	80.6	80.8	82.0	82.1	82.3	82.3	82.3	82.4	82.5	82.5	82.5	82.8
IV 1800	35.0	72.3	77.9	80.3	81.5	81.7	82.9	83.0	83.2	83.2	83.2	83.3	83.4	83.4	83.4	83.7
IV 1500	35.5	74.5	80.3	82.7	83.8	84.1	85.3	85.4	85.5	85.5	85.5	85.7	85.8	85.8	85.8	86.1
IV 1200	35.5	76.3	82.5	85.5	86.9	87.1	88.3	88.7	88.8	88.8	88.8	89.0	89.1	89.1	89.1	89.4
IV 1000	35.5	77.0	83.3	87.1	88.8	89.2	90.5	91.1	91.2	91.2	91.2	91.3	91.5	91.5	91.5	91.7
IV 900	35.5	77.1	83.6	87.5	89.4	89.8	91.1	91.6	91.7	91.7	91.7	91.9	92.0	92.0	92.0	92.2
IV 800	35.5	77.7	84.2	88.4	90.7	91.2	92.8	93.3	93.4	93.4	93.4	93.6	93.7	93.7	93.7	94.0
IV 700	35.5	77.9	84.5	88.7	90.9	91.5	93.0	93.6	93.7	93.7	93.7	93.8	94.0	94.0	94.0	94.2
IV 600	35.5	77.9	84.6	88.8	91.3	91.9	94.0	94.6	94.7	94.7	94.7	94.9	95.0	95.0	95.0	95.3
IV 500	35.5	78.1	84.8	89.0	91.6	92.1	94.5	95.3	95.4	95.4	95.4	95.5	95.7	95.9	95.9	96.3
IV 400	35.5	78.1	84.8	89.0	91.6	92.1	94.5	95.3	95.4	95.4	95.4	95.5	95.7	95.9	95.9	96.3
IV 300	35.5	78.1	84.8	89.1	91.7	92.2	95.0	96.3	96.8	97.5	97.6	97.9	98.4	98.6	98.7	99.5
IV 200	35.5	78.1	84.8	89.1	91.7	92.2	95.0	96.3	96.8	97.5	97.6	98.0	98.6	98.7	98.8	99.6
IV 100	35.5	78.1	84.8	89.1	91.7	92.2	95.0	96.3	96.8	97.5	97.6	98.0	98.6	98.7	98.8	99.6
IV 0	35.5	78.1	84.8	89.1	91.7	92.2	95.0	96.3	96.8	97.5	97.6	98.0	98.6	98.7	98.8	99.6

TOTAL NUMBER OF OBSERVATIONS 761



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	34.3	54.9	56.0	56.4	56.5	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	38.4	63.4	64.7	65.1	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	38.5	64.1	65.3	65.7	65.8	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	38.5	64.4	65.7	66.0	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 14000	38.8	65.2	66.4	66.8	66.9	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 12000	39.4	66.5	67.8	68.2	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 10000	40.3	68.3	69.6	70.0	70.1	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 9000	40.4	68.4	69.8	70.1	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 8000	41.3	70.6	72.5	72.9	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 7000	41.4	71.9	73.6	74.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000	41.9	73.0	74.7	75.1	75.2	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000	42.4	74.6	76.3	76.7	76.8	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4500	42.4	75.2	77.2	77.6	77.7	77.7	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	42.5	76.1	78.1	78.4	78.6	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3500	43.1	77.7	79.7	80.0	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	44.6	81.0	83.1	83.5	83.6	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500	45.5	84.0	86.1	86.5	86.7	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	46.3	86.2	88.5	89.0	89.2	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	46.6	86.9	89.1	89.6	90.0	90.0	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1500	47.0	89.0	91.4	91.9	92.3	92.3	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1200	47.2	90.2	92.7	93.9	94.5	94.7	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	47.3	90.7	93.3	94.7	95.4	95.7	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.7	96.7
≥ 900	47.3	90.7	93.4	94.8	95.9	96.2	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1
≥ 800	47.3	91.1	93.9	95.5	96.9	97.1	97.6	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.3	98.3
≥ 700	47.6	91.4	94.3	95.9	97.3	97.5	98.0	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6
≥ 600	47.6	91.6	94.5	96.4	97.9	98.1	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.3	99.3
≥ 500	47.7	91.7	94.7	96.5	98.1	98.4	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.8	99.8
≥ 400	47.7	91.7	94.7	96.5	98.1	98.4	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.9	99.9
≥ 300	47.7	91.7	94.7	96.5	98.1	98.4	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	100.0	100.0
≥ 200	47.7	91.7	94.7	96.5	98.1	98.4	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	100.0	100.0
≥ 100	47.7	91.7	94.7	96.5	98.1	98.4	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	100.0	100.0
≥ 0	47.7	91.7	94.7	96.5	98.1	98.4	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 807

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥.01
NO CEILING	39.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 20000	44.8	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 18000	44.8	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	44.8	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 14000	45.1	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 12000	46.0	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 10000	47.2	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	47.2	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	47.8	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 7000	48.1	75.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 6000	49.0	76.7	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	49.8	78.5	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4500	50.0	79.3	80.1	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4000	50.1	80.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500	51.7	84.6	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	53.3	87.5	88.6	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2500	54.3	89.1	90.5	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2000	54.8	91.0	92.5	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	54.8	91.2	93.0	93.6	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	55.3	92.3	94.3	95.1	95.6	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	55.4	93.5	95.2	96.5	97.3	97.3	97.5	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	55.4	93.8	95.7	97.2	97.9	97.9	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	55.4	93.8	95.7	97.3	98.3	98.3	98.5	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	55.4	93.8	95.8	97.4	98.4	98.4	98.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	55.6	94.0	96.0	97.7	98.8	98.8	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	55.6	94.3	96.4	98.1	99.1	99.1	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	55.6	94.3	96.4	98.1	99.1	99.1	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	55.6	94.3	96.4	98.1	99.1	99.1	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	55.6	94.3	96.4	98.1	99.1	99.1	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	55.6	94.3	96.4	98.1	99.1	99.1	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	55.6	94.3	96.4	98.1	99.1	99.1	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	55.6	94.3	96.4	98.1	99.1	99.1	99.3	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	43.1	56.4	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	49.3	68.0	68.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 18000	49.9	69.5	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 16000	49.9	69.6	69.8	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 14000	50.1	70.1	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	50.6	71.3	71.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 10000	52.5	76.0	76.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 9000	53.2	77.0	77.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 8000	53.6	79.7	80.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 7000	53.8	80.1	80.8	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 6000	54.4	81.6	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 5000	54.8	82.7	83.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4500	55.6	83.7	84.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 4000	56.9	86.5	87.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 3500	57.4	88.6	89.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	58.1	90.5	91.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500	58.7	91.6	92.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	59.6	94.2	95.3	96.5	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	59.6	94.3	95.4	96.7	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1500	59.7	94.4	95.6	96.9	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200	60.4	95.6	96.7	98.0	98.5	98.5	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	60.4	95.8	97.0	98.4	98.9	98.9	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	60.4	95.9	97.2	98.5	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	60.4	96.0	97.3	98.6	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	60.4	96.2	97.4	98.8	99.3	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	60.4	96.2	97.5	98.9	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	60.4	96.2	97.5	98.9	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	60.4	96.2	97.5	98.9	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	60.4	96.2	97.5	98.9	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	60.4	96.2	97.5	98.9	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	60.4	96.2	97.5	98.9	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	60.4	96.2	97.5	98.9	99.4	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	44.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	44.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 18000	48.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 16000	48.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 14000	49.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 12000	49.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 10000	52.2	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	52.2	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 8000	53.0	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	53.1	81.2	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 6000	53.9	82.7	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 5000	54.5	84.1	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	55.5	85.7	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	56.3	88.4	88.6	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	56.8	90.1	90.4	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	57.4	91.8	92.0	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500	57.6	93.0	93.9	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	57.8	94.1	95.1	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800	58.0	94.3	95.3	96.0	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	58.3	95.2	96.6	97.3	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	58.4	95.8	97.2	98.0	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	58.4	96.1	97.5	98.4	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	58.4	96.1	97.6	98.5	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	58.4	96.2	97.7	98.6	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	58.4	96.3	97.9	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	58.4	96.4	98.1	99.0	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	58.4	96.7	98.2	99.1	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	58.4	96.7	98.2	99.1	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	58.4	96.7	98.2	99.1	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	58.4	96.7	98.2	99.1	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	58.4	96.7	98.2	99.1	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	58.4	96.7	98.2	99.1	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	48.4	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 20000	51.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 18000	51.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 16000	51.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 14000	51.1	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 12000	51.6	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 10000	52.3	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	52.5	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 8000	53.2	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	53.5	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000	54.4	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 5000	55.5	84.7	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4500	56.7	86.5	86.9	86.9	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	57.0	87.5	88.0	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500	57.0	88.1	88.6	88.6	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3000	57.1	88.9	89.3	89.3	89.5	89.5	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	57.3	91.0	91.6	91.6	91.7	91.7	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	57.6	93.2	93.8	93.8	94.0	94.0	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	57.6	93.4	94.0	94.0	94.1	94.1	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	57.9	94.0	95.2	95.5	95.6	95.6	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	58.2	94.7	95.9	96.2	96.4	96.4	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	58.2	95.8	97.0	97.3	97.4	97.4	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	58.2	96.1	97.6	97.9	98.0	98.0	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	58.2	96.1	97.6	97.9	98.0	98.0	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	58.2	96.4	97.9	98.3	98.5	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	58.2	96.5	98.0	98.4	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	58.2	96.5	98.0	98.8	99.4	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	58.2	96.5	98.0	98.8	99.4	99.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	58.2	96.5	98.0	98.8	99.4	99.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	58.2	96.5	98.0	98.8	99.4	99.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	58.2	96.5	98.0	98.8	99.4	99.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	58.2	96.5	98.0	98.8	99.4	99.4	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 665

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	38.8	56.6	57.3	57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1
≥ 20000	42.9	64.8	65.6	66.1	66.3	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 18000	43.1	65.4	66.2	66.7	66.9	66.9	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 16000	43.1	65.5	66.3	66.8	67.0	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 14000	43.4	66.2	67.1	67.5	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1
IV 12000	44.1	67.6	68.5	69.0	69.2	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 10000	45.4	70.8	71.8	72.4	72.6	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 9000	45.6	71.2	72.2	72.8	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4
IV 8000	46.4	73.9	75.1	75.7	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3
IV 7000	46.6	74.6	76.0	76.6	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
IV 6000	47.3	75.9	77.3	78.0	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
IV 5000	47.9	77.6	79.1	79.8	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5
IV 4500	48.5	78.7	80.2	81.0	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7
IV 4000	48.9	80.3	81.8	82.6	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4
IV 3500	49.6	82.2	83.9	84.6	85.0	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5
IV 3000	50.4	84.2	86.0	86.9	87.2	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
IV 2500	51.0	86.3	88.2	89.1	89.5	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1
IV 2000	51.5	88.2	90.2	91.2	91.7	91.8	92.1	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3
IV 1800	51.6	88.5	90.7	91.7	92.1	92.2	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
IV 1500	52.0	89.7	92.0	93.2	93.7	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4
IV 1200	52.2	90.8	93.2	94.7	95.3	95.4	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	52.2	91.3	93.8	95.4	96.1	96.3	96.8	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
IV 900	52.2	91.4	94.0	95.7	96.5	96.7	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5
IV 800	52.2	91.6	94.2	96.0	97.0	97.2	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
IV 700	52.3	91.8	94.5	96.3	97.2	97.4	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4
IV 600	52.3	91.9	94.7	96.6	97.6	97.9	98.5	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0
IV 500	52.3	92.0	94.8	96.7	97.8	98.0	98.7	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.3
IV 400	52.3	92.0	94.8	96.7	97.8	98.0	98.8	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.7
IV 300	52.3	92.0	94.8	96.7	97.8	98.0	98.8	99.2	99.3	99.4	99.4	99.5	99.6	99.7	99.7	99.9
IV 200	52.3	92.0	94.8	96.7	97.8	98.0	98.8	99.2	99.3	99.4	99.5	99.6	99.7	99.7	99.8	99.9
IV 100	52.3	92.0	94.8	96.7	97.8	98.0	98.8	99.2	99.3	99.4	99.5	99.6	99.7	99.7	99.8	100.0
IV 0	52.3	92.0	94.8	96.7	97.8	98.0	98.8	99.2	99.3	99.4	99.5	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 8689

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-74, 76, 78-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7300-0500

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1
NO CEILING	9.5	26.6	30.4	34.2	38.0	39.9	44.9	44.9	45.6	46.2	46.2	46.2	46.8	46.8	47.5
≥ 20000	10.8	32.3	37.3	42.4	47.5	49.4	55.1	55.1	55.7	56.3	56.3	56.3	57.0	57.0	57.6
IV 18000	10.8	32.3	37.3	43.0	48.1	50.0	55.7	55.7	56.3	57.0	57.0	57.0	57.6	57.6	58.2
IV 16000	10.8	32.3	37.3	43.0	48.1	50.0	55.7	55.7	56.3	57.0	57.0	57.0	57.6	57.6	58.2
IV 14000	10.8	32.3	38.0	43.7	48.7	50.6	56.3	56.3	57.0	57.6	57.6	57.6	58.2	58.2	58.9
IV 12000	10.8	32.3	38.0	43.7	48.7	50.6	56.3	56.3	57.0	57.6	57.6	57.6	58.2	58.2	58.9
IV 10000	10.8	34.2	39.9	45.6	50.6	52.5	58.2	58.2	58.9	59.5	59.5	59.5	60.1	60.1	60.8
IV 9000	11.4	34.2	40.5	46.2	51.3	53.2	58.9	58.9	59.5	60.1	60.1	60.1	60.8	60.8	61.4
IV 8000	11.4	36.7	43.0	50.0	57.0	58.9	64.6	65.2	65.8	67.1	67.1	67.1	67.7	67.7	68.4
IV 7000	12.0	38.0	44.3	51.3	58.2	60.1	65.8	66.5	67.1	68.4	68.4	68.4	69.0	69.0	69.6
IV 6000	13.3	39.9	46.2	53.2	60.1	62.0	67.7	68.4	69.0	70.3	70.3	70.3	70.9	70.9	71.5
IV 5000	13.9	41.7	51.3	58.2	65.2	67.1	72.8	73.4	74.1	75.3	75.3	75.3	75.9	75.9	76.6
IV 4500	13.9	45.6	53.8	60.8	67.7	69.6	75.3	75.9	76.6	77.8	77.8	77.8	78.5	78.5	79.1
IV 4000	13.9	45.6	53.8	60.8	67.7	69.6	75.3	76.6	77.2	78.5	78.5	78.5	79.1	79.1	79.7
IV 3500	13.9	46.2	54.4	61.4	68.4	70.3	75.9	77.2	77.8	79.1	79.1	79.1	79.7	79.7	80.4
IV 3000	13.9	46.2	54.4	61.4	68.4	70.3	75.9	77.2	78.5	79.7	79.7	79.7	80.4	80.4	81.0
IV 2500	13.9	46.8	55.1	62.0	69.0	70.9	76.6	77.8	79.1	80.4	80.4	80.4	81.0	81.0	81.6
IV 2000	14.6	48.1	56.3	63.3	70.3	72.2	77.8	79.1	80.4	81.6	81.6	81.6	82.3	82.3	82.9
IV 1800	14.6	49.4	57.6	64.6	71.5	73.4	79.1	80.4	81.6	82.9	82.9	82.9	83.5	83.5	84.2
IV 1500	14.6	51.3	61.4	69.0	76.6	78.5	84.2	85.4	86.7	88.0	88.0	88.0	88.6	88.6	89.2
IV 1200	14.6	53.8	63.9	71.5	79.1	81.0	86.7	88.0	89.2	90.5	90.5	90.5	91.1	91.1	91.8
IV 1000	14.6	54.4	64.6	72.2	79.7	81.6	87.3	88.6	89.9	91.1	91.1	91.1	91.8	91.8	92.4
IV 900	14.6	54.4	64.6	72.8	80.4	82.3	88.0	89.2	90.5	91.8	91.8	91.8	92.4	92.4	93.0
IV 800	15.2	55.1	65.2	73.4	81.0	82.9	88.6	90.5	91.8	93.0	93.0	93.0	93.7	93.7	94.3
IV 700	15.2	55.1	65.2	73.4	81.0	82.9	88.6	90.5	91.8	93.0	93.0	93.0	93.7	93.7	94.3
IV 600	15.2	55.1	65.2	73.4	81.0	82.9	89.2	91.1	92.4	94.3	94.3	94.3	94.9	94.9	95.6
IV 500	15.2	55.1	65.2	73.4	81.0	82.9	89.2	91.1	92.4	94.3	94.3	94.3	94.9	94.9	95.6
IV 400	15.2	55.1	65.2	73.4	81.0	82.9	89.2	91.1	92.4	94.3	94.3	94.3	94.9	94.9	95.6
IV 300	15.2	55.1	65.2	74.1	81.6	83.5	89.9	93.0	94.9	96.8	97.5	97.5	98.1	98.1	98.7
IV 200	15.2	55.1	65.2	74.1	81.6	83.5	89.9	93.0	94.9	96.8	97.5	97.5	98.1	98.1	98.7
IV 100	15.2	55.1	65.2	74.1	81.6	83.5	89.9	93.0	94.9	96.8	97.5	97.5	98.1	98.1	98.7
IV 0	15.2	55.1	65.2	74.1	81.6	83.5	89.9	93.0	94.9	96.8	97.5	97.5	98.1	98.1	98.7

TOTAL NUMBER OF OBSERVATIONS 158

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0000  
HOURS 1-5

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING ≥ 20000	10.1	33.0	38.7	44.0	47.4	48.8	49.6	50.0	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.8
≥ 18000	11.5	39.0	45.1	51.3	55.2	56.6	57.6	57.9	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.8
≥ 16000	11.5	39.4	45.6	51.8	55.6	57.1	58.0	58.4	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.2
≥ 14000	11.6	40.0	46.2	52.4	56.2	57.7	58.6	59.0	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.8
≥ 12000	11.9	40.8	47.0	53.4	57.4	58.9	60.0	60.3	60.7	60.7	60.9	60.9	60.9	60.9	60.9	61.2
≥ 10000	12.1	43.0	49.6	56.1	60.3	61.8	62.8	63.2	63.5	63.5	63.8	63.8	63.8	63.8	63.8	64.0
≥ 9000	12.4	43.5	50.6	57.1	61.3	62.7	63.8	64.1	64.5	64.5	64.7	64.7	64.7	64.7	64.7	65.0
≥ 8000	12.5	46.3	54.0	61.5	65.8	67.3	68.6	68.9	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.8
≥ 7000	12.9	47.7	55.5	63.1	67.5	68.9	70.3	70.7	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.6
≥ 6000	13.3	48.4	56.2	63.9	68.5	69.9	71.2	71.7	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.5
≥ 5000	13.3	50.1	58.2	66.1	70.9	72.3	73.6	74.1	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.9
≥ 4500	13.3	51.0	59.2	67.3	72.3	73.9	75.2	75.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.5
≥ 4000	13.3	51.3	59.7	67.9	72.9	74.6	75.9	76.4	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.2
≥ 3500	13.3	51.9	60.3	68.6	73.6	75.4	76.7	77.2	77.7	77.7	77.9	77.9	77.9	77.9	77.9	78.2
≥ 3000	13.3	53.0	61.4	69.8	74.9	76.9	78.2	78.7	79.1	79.1	79.4	79.4	79.4	79.4	79.4	79.6
≥ 2500	13.4	53.6	62.1	71.1	76.3	78.2	79.5	80.0	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.9
≥ 2000	14.3	55.6	64.1	73.1	78.4	80.3	81.7	82.1	82.6	82.6	82.9	82.9	82.9	82.9	82.9	83.1
≥ 1800	14.5	56.2	64.9	74.0	79.4	81.4	82.7	83.2	83.7	83.7	83.9	83.9	83.9	83.9	83.9	84.2
≥ 1500	14.6	57.1	66.5	75.7	81.2	83.3	84.7	85.3	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.2
≥ 1200	15.0	58.9	68.6	77.8	83.3	85.5	86.8	87.4	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.4
≥ 1000	15.1	60.0	70.0	79.5	85.1	87.3	88.7	89.3	89.8	89.9	90.2	90.2	90.2	90.2	90.2	90.4
≥ 900	15.2	60.4	70.6	80.3	86.2	88.4	89.8	90.4	91.1	91.4	91.6	91.6	91.6	91.6	91.6	91.8
≥ 800	15.2	60.8	71.6	81.3	87.4	89.7	91.4	92.1	92.8	93.0	93.3	93.3	93.3	93.3	93.3	93.5
≥ 700	15.2	61.0	71.9	81.8	88.1	90.4	92.4	93.2	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.7
≥ 600	15.2	61.2	72.1	82.0	88.6	91.0	93.2	94.0	94.8	95.3	95.6	95.6	95.6	95.6	95.6	95.8
≥ 500	15.2	61.3	72.4	82.4	89.1	91.5	93.8	94.7	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.6
≥ 400	15.2	61.4	72.5	82.5	89.4	91.8	94.5	95.7	96.6	97.1	97.4	97.4	97.4	97.4	97.4	97.7
≥ 300	15.2	61.4	72.5	82.5	89.4	91.8	94.6	95.8	96.8	97.6	98.3	98.3	98.4	98.6	98.8	99.2
≥ 200	15.2	61.4	72.5	82.5	89.4	91.8	94.6	95.8	96.8	97.6	98.8	98.9	99.0	99.2	99.4	99.8
≥ 100	15.2	61.4	72.5	82.5	89.4	91.8	94.6	95.8	96.8	97.6	98.8	98.9	99.0	99.2	99.5	100.0
≥ 0	15.2	61.4	72.5	82.5	89.4	91.8	94.6	95.8	96.8	97.6	98.8	98.9	99.0	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 839



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥0
NO CEILING	19.3	50.7	52.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	21.5	57.3	59.9	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000	21.6	57.3	59.9	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	21.6	57.3	59.9	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	21.6	57.4	60.0	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	21.6	58.5	61.2	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 10000	22.8	62.1	64.8	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000	23.3	63.7	66.5	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 8000	24.4	66.7	69.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 7000	25.1	69.0	71.8	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	25.3	70.2	73.1	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000	25.3	71.7	74.7	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	25.3	72.3	75.3	78.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 4000	25.3	73.2	76.2	79.1	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3500	25.7	74.5	77.8	80.8	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 3000	25.9	77.3	80.6	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2500	26.7	78.6	82.2	85.5	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2000	27.4	81.6	85.4	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	27.4	82.2	85.6	89.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1500	28.1	85.0	88.6	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200	28.7	87.2	91.1	95.0	96.2	96.3	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000	28.8	87.6	91.8	95.7	97.4	97.5	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	28.8	88.1	92.4	96.3	98.2	98.3	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	28.8	88.1	92.4	96.3	98.2	98.3	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	28.8	88.1	92.4	96.3	98.2	98.3	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	28.8	88.1	92.4	96.3	98.2	98.3	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	28.8	88.1	92.4	96.3	98.4	98.4	98.4	98.8	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	28.8	88.1	92.4	96.3	98.4	98.4	98.4	98.8	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	28.8	88.1	92.4	96.3	98.4	98.4	98.4	98.8	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	28.8	88.1	92.4	96.3	98.4	98.4	98.4	98.8	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	28.8	88.1	92.4	96.3	98.4	98.4	98.4	98.8	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	28.8	88.1	92.4	96.3	98.4	98.4	98.4	98.8	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 833

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS, LT

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .15	≥ .10	≥ .05	≥ .01	≥ 0
NO CEILING	25.1	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 20000	28.6	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	28.6	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 16000	29.0	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 14000	29.0	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 12000	29.7	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.1
IV 10000	30.9	70.2	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8
IV 9000	31.4	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
IV 8000	32.3	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.4	75.4	75.4
IV 7000	32.8	75.6	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	77.0	77.0	77.0
IV 6000	33.2	77.0	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5
IV 5000	33.9	80.0	81.0	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9	81.9
IV 4500	34.3	81.1	82.1	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9
IV 4000	34.5	83.9	85.0	85.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2
IV 3500	35.5	87.4	88.8	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0
IV 3000	37.0	90.1	91.9	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1
IV 2500	37.4	91.3	93.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8
IV 2000	38.2	92.8	95.3	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8
IV 1800	38.2	92.9	95.4	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9
IV 1500	38.5	93.9	96.5	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0
IV 1200	38.6	94.2	97.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
IV 1000	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 900	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 800	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 700	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 600	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 500	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 400	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 300	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 200	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 100	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 0	38.6	94.4	97.2	98.2	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 832

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
NOON 1-11

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	28.2	53.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	33.2	67.5	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000	33.2	67.5	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	33.2	67.5	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 14000	33.2	68.2	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 12000	34.1	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	35.1	75.1	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000	35.4	75.9	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	36.1	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 7000	36.8	81.4	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	37.1	82.0	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 5000	37.5	84.9	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500	37.5	85.7	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000	38.4	88.2	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3500	39.0	90.9	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000	39.4	92.2	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	40.3	93.9	96.2	96.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	40.8	94.8	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	40.9	95.0	97.6	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	41.0	95.2	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	41.0	95.2	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	41.0	95.2	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 138

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	28.1	56.3	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	32.1	68.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 18000	32.4	68.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	32.6	69.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 14000	33.5	70.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 12000	34.5	72.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	35.6	78.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 9000	36.7	78.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 8000	37.1	83.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	37.7	84.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 6000	37.9	84.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 5000	38.4	87.2	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	38.4	88.1	89.8	90.0	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 4000	38.6	90.0	91.7	92.1	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3500	38.9	91.1	93.0	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3000	39.4	92.8	94.8	95.3	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2500	39.9	93.7	95.6	96.1	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	40.0	94.3	96.2	96.7	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	40.1	94.8	96.7	97.2	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500	40.1	95.3	97.4	97.9	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	40.1	95.3	97.6	98.1	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	40.1	95.4	97.8	98.3	99.0	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	40.2	95.5	97.9	98.4	99.1	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	40.2	95.6	98.1	98.5	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	40.3	95.7	98.2	98.7	99.4	99.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	40.3	95.7	98.2	98.7	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	40.3	95.7	98.2	98.7	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	40.3	95.7	98.2	98.7	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	40.3	95.7	98.2	98.7	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	40.3	95.7	98.2	98.7	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	40.3	95.7	98.2	98.7	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	40.3	95.7	98.2	98.7	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ .	≥ 0
NO CEILING	30.5	64.7	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	34.6	73.7	74.4	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 18000	34.7	74.6	75.3	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 16000	34.7	74.6	75.3	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000	34.7	75.9	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 12000	35.5	76.8	77.5	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000	36.0	80.6	81.5	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 9000	36.0	80.6	81.5	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 8000	36.6	84.1	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 7000	37.1	89.2	85.9	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	37.5	85.7	86.8	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 5000	38.0	87.9	89.2	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4500	38.0	89.2	90.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	38.2	90.1	91.8	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	38.4	91.2	92.7	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000	38.4	92.5	94.0	94.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2500	38.9	93.4	94.9	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	39.7	94.9	96.5	96.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	39.7	95.4	97.6	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	39.7	95.4	97.6	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	39.7	95.4	97.6	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	39.7	95.4	97.6	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	39.7	95.4	97.6	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	39.7	95.4	97.6	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	40.0	96.2	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	40.0	96.2	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	40.0	96.2	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	40.0	96.2	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	40.0	96.2	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	40.0	96.2	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	40.0	96.2	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	40.0	96.2	98.4	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 507

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥3/16	≥0
NO CEILING	22.7	50.5	52.4	53.6	54.3	54.6	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2
≥ 20000	25.9	60.0	62.1	63.6	64.5	64.8	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4
IV 18000	26.0	60.3	62.4	64.0	64.9	65.2	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8
IV 16000	26.1	60.4	62.5	64.1	65.0	65.3	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
IV 14000	26.4	61.0	63.1	64.7	65.6	65.9	66.2	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
IV 12000	26.6	62.6	64.7	66.3	67.2	67.5	67.9	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2
IV 10000	27.7	66.3	68.7	70.3	71.2	71.6	71.9	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
IV 9000	28.1	67.2	69.7	71.3	72.2	72.5	72.9	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2
IV 8000	28.9	70.6	73.2	75.2	76.3	76.6	77.0	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3
IV 7000	29.4	72.0	74.7	76.8	77.9	78.2	78.6	78.7	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0
IV 6000	29.7	72.9	75.7	77.8	79.0	79.3	79.7	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0
IV 5000	30.1	75.3	78.3	80.5	81.8	82.1	82.5	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.9
IV 4500	30.1	76.2	79.3	81.6	82.9	83.3	83.7	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.1
IV 4000	30.4	77.8	81.0	83.4	84.8	85.1	85.5	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	86.0
IV 3500	30.8	79.4	82.9	85.3	86.7	87.1	87.5	87.6	87.7	87.8	87.8	87.8	87.9	87.9	87.9	87.9
IV 3000	31.2	81.2	84.7	87.2	88.7	89.1	89.5	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0
IV 2500	31.7	82.3	85.9	88.6	90.1	90.5	90.9	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.4
IV 2000	32.4	83.9	87.6	90.3	91.9	92.3	92.7	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.3
IV 1800	32.4	84.3	88.0	90.8	92.4	92.8	93.2	93.4	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.8
IV 1500	32.6	85.3	89.4	92.2	93.9	94.4	94.8	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.4
IV 1200	32.8	86.1	90.4	93.3	95.0	95.5	96.0	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.6
IV 1000	32.9	86.5	90.9	93.8	95.7	96.2	96.7	97.0	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4
IV 900	32.9	86.7	91.1	94.1	96.1	96.6	97.1	97.4	97.7	97.8	97.9	97.9	97.9	97.9	97.9	98.0
IV 800	32.9	86.8	91.3	94.3	96.4	96.9	97.4	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.4
IV 700	33.0	86.9	91.5	94.5	96.5	97.1	97.7	98.0	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6
IV 600	33.0	86.9	91.5	94.5	96.7	97.2	97.9	98.3	98.5	98.6	98.8	98.8	98.9	98.9	98.9	99.0
IV 500	33.0	86.9	91.6	94.6	96.8	97.3	98.0	98.4	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.2
IV 400	33.0	86.9	91.6	94.6	96.9	97.4	98.1	98.7	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.5
IV 300	33.0	86.9	91.6	94.6	96.9	97.4	98.2	98.7	99.0	99.3	99.5	99.5	99.6	99.7	99.7	99.8
IV 200	33.0	86.9	91.6	94.6	96.9	97.4	98.2	98.7	99.0	99.3	99.6	99.6	99.8	99.8	99.9	100.0
IV 100	33.0	86.9	91.6	94.6	96.9	97.4	98.2	98.7	99.0	99.3	99.6	99.6	99.8	99.8	99.9	100.0
IV 0	33.0	86.9	91.6	94.6	96.9	97.4	98.2	98.7	99.0	99.3	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 4865

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73,75-76,78-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	6.0	29.0	39.7	45.7	50.3	57.0	60.3	60.9	62.3	62.9	63.6	63.6	63.6	63.6	63.6	63.6
≥ 20000	6.6	33.8	45.0	52.3	57.0	64.2	67.5	68.2	69.5	70.2	70.9	70.9	70.9	70.9	70.9	70.9
≥ 18000	6.6	33.8	45.0	52.3	57.0	64.2	67.5	68.2	69.5	70.2	70.9	70.9	70.9	70.9	70.9	70.9
≥ 16000	6.6	33.8	45.0	52.3	57.0	64.2	67.5	68.2	69.5	70.2	70.9	70.9	70.9	70.9	70.9	70.9
≥ 14000	6.6	34.4	45.7	53.0	57.6	64.9	68.2	68.9	70.2	70.9	71.5	71.5	71.5	71.5	71.5	71.5
≥ 12000	7.3	36.4	47.7	55.0	59.6	66.9	70.2	70.9	72.2	72.8	73.5	73.5	73.5	73.5	73.5	73.5
≥ 10000	8.6	38.4	49.7	57.0	63.6	71.5	74.8	75.5	76.8	77.5	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	8.6	38.4	49.7	57.0	63.6	71.5	74.8	75.5	76.8	77.5	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	8.6	39.1	51.0	58.9	65.6	73.5	76.8	77.5	78.8	79.5	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	8.6	39.1	51.0	58.9	65.6	73.5	76.8	77.5	78.8	79.5	80.1	80.1	80.1	80.1	80.1	80.1
≥ 6000	8.6	39.7	52.3	60.3	66.9	74.8	78.1	78.8	80.1	80.8	81.5	81.5	81.5	81.5	81.5	81.5
≥ 5000	8.6	41.7	54.3	62.9	69.5	77.5	80.8	81.5	82.8	83.4	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	9.3	43.7	56.3	64.9	71.5	79.5	82.8	83.4	84.8	85.4	86.1	86.1	86.1	86.1	86.1	86.1
≥ 4000	9.3	43.7	56.3	64.9	71.5	79.5	82.8	83.4	84.8	85.4	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500	9.3	43.7	56.3	64.9	71.5	79.5	82.8	83.4	84.8	85.4	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	9.3	43.7	56.3	64.9	72.2	80.1	83.4	84.1	85.4	86.1	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500	9.3	43.7	57.0	65.6	72.8	80.8	84.1	84.8	86.1	86.8	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	9.3	43.7	57.0	65.6	72.8	80.8	84.1	84.8	86.1	86.8	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1800	9.3	43.7	57.0	65.6	72.8	80.8	84.1	84.8	86.1	86.8	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1500	9.3	44.4	58.3	66.9	74.2	82.1	85.4	86.1	87.4	88.1	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	9.3	45.7	59.6	68.2	75.5	83.4	86.8	87.4	88.7	89.4	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	9.3	45.7	59.6	69.5	76.8	84.8	88.1	88.7	90.1	90.7	91.4	91.4	91.4	91.4	91.4	91.4
≥ 900	9.3	47.0	60.9	70.9	78.1	86.1	89.4	90.1	91.4	92.1	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	9.3	47.0	60.9	70.9	78.1	86.1	89.4	90.1	91.4	92.1	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	9.3	47.7	61.6	71.5	78.8	86.8	90.1	90.7	92.1	92.7	93.4	93.4	93.4	93.4	93.4	93.4
≥ 600	9.3	48.3	62.3	72.2	80.1	88.1	92.1	92.7	94.0	94.7	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500	9.3	48.3	62.3	72.2	80.8	88.7	92.7	93.4	94.7	95.4	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	9.3	48.3	63.6	73.5	82.8	90.7	94.7	95.4	96.7	97.4	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	9.3	48.3	63.6	73.5	82.8	90.7	94.7	95.4	96.7	97.4	98.0	98.0	98.0	98.0	98.7	98.7
≥ 200	9.3	48.3	63.6	73.5	82.8	90.7	94.7	95.4	96.7	97.4	98.0	98.0	98.0	98.0	98.7	99.3
≥ 100	9.3	48.3	63.6	73.5	82.8	90.7	94.7	95.4	96.7	97.4	98.0	98.0	98.0	98.0	98.7	100.0
≥ 0	9.3	48.3	63.6	73.5	82.8	90.7	94.7	95.4	96.7	97.4	98.0	98.0	98.0	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 151

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	10.5	43.8	49.3	53.3	57.5	59.3	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 20000	11.8	47.9	55.2	59.7	64.1	66.4	67.9	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 18000	11.8	47.9	55.2	59.7	64.1	66.4	67.9	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	11.8	48.2	55.5	60.0	64.4	66.6	68.1	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 14000	11.8	48.2	55.6	60.1	64.5	66.8	68.3	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 12000	12.0	50.2	57.7	62.4	66.8	69.0	70.5	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	12.2	52.4	60.4	65.1	69.9	72.3	73.8	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	12.2	52.9	61.2	66.0	70.8	73.1	74.7	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 8000	12.2	54.7	63.9	68.8	73.7	76.0	77.5	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	12.2	55.6	64.7	69.6	74.5	77.2	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	12.2	56.0	65.1	70.0	75.0	77.5	79.0	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 5000	12.2	57.6	66.9	71.8	76.9	79.4	80.9	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	12.2	58.1	67.5	72.5	77.7	80.3	81.8	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000	12.2	58.2	67.6	72.6	77.8	80.4	81.9	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3500	12.2	58.7	68.1	73.1	78.3	80.9	82.4	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3000	12.3	59.8	69.5	74.5	79.7	82.3	83.8	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2500	12.3	60.5	70.3	75.3	80.4	83.1	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	12.3	61.2	71.0	76.0	81.3	83.9	85.6	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1800	12.3	61.2	71.0	76.0	81.3	83.9	85.6	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	12.3	62.6	72.4	77.4	82.8	85.4	87.1	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	12.7	64.2	74.2	79.4	84.8	87.5	89.1	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	12.7	65.7	75.8	81.4	87.0	89.6	91.6	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	12.8	66.5	76.9	82.6	88.1	90.7	92.7	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	12.8	67.8	78.4	84.1	89.6	92.2	94.2	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 700	12.8	68.4	79.0	84.7	90.2	92.8	94.9	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	13.0	69.3	80.3	86.1	91.6	94.2	96.2	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	13.0	69.3	81.1	87.0	92.5	95.2	97.4	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	13.0	69.3	81.1	87.2	92.7	95.4	97.9	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	13.0	69.3	81.1	87.3	93.0	95.9	98.1	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	13.0	69.3	81.1	87.3	93.0	95.9	98.1	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	13.0	69.3	81.1	87.3	93.0	95.9	98.1	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	13.0	69.3	81.1	87.3	93.0	95.9	98.1	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 792

USAF ETAC FORM 14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	17.9	58.3	60.3	62.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	21.3	64.9	67.3	69.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 18000	21.3	65.0	67.7	69.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 16000	21.3	65.3	67.9	70.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 14000	21.3	65.3	67.9	70.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 12000	22.1	67.8	70.4	72.7	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 10000	22.8	72.3	75.0	77.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	23.2	73.4	76.2	78.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 8000	23.6	75.3	78.4	80.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 7000	23.6	76.2	79.4	81.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 6000	23.8	76.7	79.9	82.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 5000	24.0	78.9	82.1	84.4	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4500	24.1	79.4	82.6	84.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4000	24.2	79.7	82.9	85.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	24.2	80.1	83.4	86.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3000	24.5	82.6	86.0	88.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500	24.5	83.3	86.9	89.5	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2000	25.0	85.3	89.1	91.8	93.3	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	25.0	85.8	89.6	92.3	93.8	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	25.2	87.4	91.5	94.1	95.8	96.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	25.3	88.8	92.4	95.1	96.8	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	25.3	89.9	94.0	96.8	98.6	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	25.3	90.0	94.1	96.9	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	25.3	90.0	94.1	96.9	98.9	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	25.3	90.0	94.1	96.9	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	25.3	90.0	94.1	96.9	99.0	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	25.3	90.0	94.3	97.0	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	25.3	90.0	94.3	97.0	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	25.3	90.0	94.3	97.0	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	25.3	90.0	94.3	97.0	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	25.3	90.0	94.3	97.0	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	25.3	90.0	94.3	97.0	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	20.3	57.1	57.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 20000	26.0	69.7	70.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	26.1	69.8	70.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 16000	26.1	69.9	70.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 14000	26.1	70.5	71.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 12000	27.5	72.7	73.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 10000	28.6	75.9	76.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 9000	28.6	76.1	77.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 8000	29.2	78.2	79.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 7000	29.5	79.2	80.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 6000	29.6	79.8	81.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 5000	29.7	81.5	83.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 4500	29.8	82.5	84.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 4000	30.2	84.6	86.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 3500	31.1	87.1	89.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3000	32.2	92.3	94.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2500	32.5	93.1	95.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	32.7	94.0	96.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	32.7	94.0	96.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	32.7	94.1	96.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	32.8	94.6	97.1	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 801

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	21.1	56.9	58.4	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 20000	29.5	73.4	75.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 18000	29.6	73.7	75.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 16000	29.7	73.8	75.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 14000	30.2	74.8	76.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 12000	31.0	76.3	77.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 10000	33.2	80.8	82.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 9000	33.3	81.8	83.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 8000	34.1	83.6	85.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 7000	34.1	83.8	85.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 6000	34.1	83.9	85.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 5000	34.6	86.3	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 4500	34.6	86.6	88.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4000	35.2	89.8	91.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3500	35.7	91.1	93.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
IV 3000	36.1	93.9	96.3	98.0	98.3	98.3	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2500	36.1	94.3	96.6	98.4	98.8	98.8	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	36.1	94.5	96.9	98.6	99.0	99.0	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	36.1	94.5	96.9	98.6	99.0	99.0	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500	36.1	94.6	97.1	98.9	99.3	99.3	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	36.2	94.8	97.3	99.0	99.4	99.4	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	36.3	94.9	97.4	99.1	99.5	99.5	99.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 801

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .16	≥ .1
NO CEILING	22.3	58.7	60.3	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 20000	30.0	75.3	76.9	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 18000	30.0	75.9	77.5	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 16000	30.0	75.9	77.5	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 14000	30.9	77.7	79.3	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 12000	31.2	79.9	81.5	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 10000	33.7	85.4	87.1	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 9000	33.7	85.4	87.1	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 8000	34.3	88.4	90.1	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 7000	34.5	88.8	90.5	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 6000	34.7	89.0	90.9	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 5000	35.1	90.6	92.5	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4500	35.1	91.9	93.9	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 4000	35.5	92.9	94.9	96.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 3500	36.0	94.0	96.0	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3000	36.0	94.6	96.8	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2500	36.0	94.8	96.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000	36.0	94.8	96.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	36.0	94.8	96.9	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	36.0	94.9	97.0	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	36.0	94.9	97.0	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	36.0	94.9	97.0	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 801

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .16	≥ .1
NO CEILING	25.6	66.8	69.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	29.7	79.7	82.1	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 18000	29.7	79.9	82.3	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 16000	29.7	79.9	82.3	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 14000	29.9	80.6	83.0	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 12000	30.6	82.5	84.9	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 10000	32.5	86.2	89.2	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 9000	33.0	87.1	90.1	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 8000	33.0	88.4	91.4	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 7000	33.0	88.4	91.4	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 6000	33.4	88.8	91.8	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 5000	33.6	89.7	92.9	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4500	34.0	91.0	94.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 4000	34.5	92.4	95.5	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3500	34.5	92.9	96.1	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3000	35.1	94.2	97.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500	35.1	94.2	97.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	35.1	94.2	97.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	35.1	94.2	97.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	35.1	94.2	97.4	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	35.3	94.4	97.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	35.3	94.4	97.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	35.3	94.4	97.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	35.3	94.4	97.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	35.3	94.4	97.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	35.3	94.6	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	35.3	94.6	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	35.3	94.6	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	35.3	94.6	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	35.3	94.6	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	35.3	94.6	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	35.3	94.6	97.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 536

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.4	≥.4	≥.4	≥0
NO CEILING	18.9	55.5	58.0	60.3	61.4	62.0	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 20000	23.9	66.7	69.7	72.2	73.4	74.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 18000	23.9	67.0	70.0	72.4	73.6	74.3	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 16000	23.9	67.1	70.1	72.6	73.8	74.4	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
IV 14000	24.1	67.8	70.8	73.3	74.5	75.1	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 12000	24.9	69.8	72.9	75.4	76.6	77.2	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
IV 10000	26.3	73.7	77.0	79.5	80.8	81.5	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 9000	26.4	74.4	77.7	80.2	81.5	82.2	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 8000	26.8	76.3	79.9	82.5	83.8	84.5	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1
IV 7000	26.9	76.8	80.5	83.0	84.4	85.1	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 6000	27.1	77.2	81.0	83.5	84.9	85.6	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
IV 5000	27.3	79.0	82.9	85.4	86.8	87.5	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 4500	27.4	79.9	83.7	86.3	87.7	88.5	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4000	27.7	81.2	85.1	87.8	89.3	90.0	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 3500	28.0	82.2	86.2	89.0	90.4	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	28.4	84.5	88.6	91.4	93.0	93.7	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	28.4	84.9	89.1	91.9	93.5	94.2	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2000	28.6	85.6	89.8	92.6	94.3	95.1	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	28.6	85.7	89.9	92.7	94.4	95.2	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1500	28.6	86.3	90.6	93.5	95.2	95.9	96.4	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	28.6	86.9	91.3	94.2	95.9	96.7	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	28.6	87.4	91.8	94.8	96.7	97.4	97.9	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	28.6	87.6	92.1	95.1	96.9	97.7	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	28.6	87.8	92.3	95.4	97.2	97.9	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	28.6	87.9	92.5	95.5	97.3	98.1	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	28.6	88.1	92.7	95.8	97.6	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	28.6	88.1	92.9	95.9	97.8	98.6	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	28.6	88.1	92.9	96.0	97.9	98.7	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	28.6	88.1	92.9	96.0	98.0	98.8	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	28.6	88.1	92.9	96.0	98.0	98.8	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	28.6	88.1	92.9	96.0	98.0	98.8	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	28.6	88.1	92.9	96.0	98.0	98.8	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 8690

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-74,77-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	3.2	23.6	30.6	39.5	46.5	52.9	53.5	54.1	54.8	54.8	54.8	55.4	56.1	56.1	56.1	56.1
≥ 20000	4.5	31.8	39.5	49.0	56.7	64.3	65.0	65.6	66.9	66.9	66.9	67.5	68.2	68.2	68.2	68.2
IV 18000	5.1	33.1	40.8	50.3	58.0	65.6	66.2	66.9	68.2	68.2	68.2	68.8	69.4	69.4	69.4	69.4
IV 16000	5.1	33.1	41.4	51.0	58.6	66.2	66.9	67.5	68.8	68.8	68.8	69.4	70.1	70.1	70.1	70.1
IV 14000	5.1	33.1	42.0	52.2	59.9	67.5	68.2	68.8	70.1	70.1	70.1	70.7	71.3	71.3	71.3	71.3
IV 12000	5.1	33.7	45.2	55.4	63.1	70.7	72.0	72.6	73.9	73.9	73.9	74.5	75.2	75.2	75.2	75.2
IV 10000	5.1	36.3	45.9	56.1	63.7	71.3	73.2	73.9	75.2	75.2	75.2	75.8	76.4	76.4	76.4	76.4
IV 9000	5.1	36.3	45.9	56.1	63.7	71.3	73.2	73.9	75.2	75.2	75.2	75.8	76.4	76.4	76.4	76.4
IV 8000	5.1	38.9	48.4	59.2	66.9	75.2	77.1	77.7	79.0	79.0	79.0	79.6	80.3	80.3	80.3	80.3
IV 7000	5.1	38.9	48.4	59.2	67.5	75.8	77.7	78.3	79.6	79.6	79.6	80.3	80.9	80.9	80.9	80.9
IV 6000	5.1	38.9	48.4	59.9	67.5	75.8	77.7	78.3	79.6	79.6	79.6	80.3	80.9	80.9	80.9	80.9
IV 5000	5.1	39.5	49.0	60.5	68.2	76.4	78.3	79.0	80.3	80.3	80.3	80.9	81.5	81.5	81.5	81.5
IV 4500	5.1	39.5	49.0	60.5	68.2	76.4	78.3	79.0	80.3	80.3	80.3	80.9	81.5	81.5	81.5	81.5
IV 4000	5.1	40.1	50.3	61.8	69.4	77.7	79.6	80.9	82.2	82.2	82.2	82.8	83.4	83.4	83.4	83.4
IV 3500	5.1	40.1	50.3	61.8	69.4	77.7	79.6	80.9	82.2	82.2	82.2	82.8	83.4	83.4	83.4	83.4
IV 3000	5.1	40.1	50.3	61.8	70.1	78.3	80.3	81.5	82.8	82.8	82.8	83.4	84.1	84.1	84.1	84.1
IV 2500	5.1	40.1	50.3	61.8	70.1	78.3	80.3	81.5	82.8	82.8	82.8	83.4	84.1	84.1	84.1	84.1
IV 2000	5.7	41.4	51.6	63.1	72.0	80.3	82.2	83.4	84.7	84.7	84.7	85.4	86.0	86.0	86.0	86.0
IV 1800	5.7	41.4	51.6	63.1	72.0	80.3	82.2	83.4	84.7	84.7	84.7	85.4	86.0	86.0	86.0	86.0
IV 1500	7.0	43.9	54.1	65.6	74.5	83.4	85.4	86.6	87.9	87.9	87.9	88.5	89.2	89.2	89.2	89.2
IV 1200	7.0	43.9	54.1	65.6	74.5	83.4	85.4	86.6	87.9	87.9	87.9	88.5	89.2	89.2	89.2	89.2
IV 1000	7.0	43.9	54.1	66.2	75.8	84.7	87.3	88.5	90.4	90.4	90.4	91.1	91.7	91.7	91.7	91.7
IV 900	7.0	43.9	54.1	66.9	76.4	85.4	87.9	89.2	91.1	91.1	91.1	91.7	92.4	92.4	92.4	92.4
IV 800	7.0	44.6	54.8	68.2	77.7	86.6	89.2	90.4	92.4	92.4	92.4	93.0	93.6	93.6	93.6	93.6
IV 700	7.0	44.6	54.8	68.2	79.0	87.9	90.4	91.7	93.6	93.6	93.6	94.3	94.9	94.9	94.9	94.9
IV 600	7.0	45.9	56.7	70.1	80.9	90.4	93.0	94.3	96.2	96.2	96.2	96.8	97.5	97.5	97.5	97.5
IV 500	7.0	45.9	56.7	70.1	80.9	91.1	93.6	94.9	96.8	96.8	96.8	97.5	98.1	98.1	98.1	98.1
IV 400	7.0	45.9	56.7	70.1	80.9	91.1	93.6	94.9	97.5	97.5	97.5	98.1	98.7	98.7	98.7	98.7
IV 300	7.0	45.9	56.7	70.1	80.9	91.1	93.6	94.9	97.5	97.5	97.5	98.1	98.7	98.7	98.7	98.7
IV 200	7.0	45.9	56.7	70.1	80.9	91.1	93.6	94.9	97.5	97.5	97.5	98.1	98.7	98.7	98.7	98.7
IV 100	7.0	45.9	56.7	70.1	80.9	91.1	93.6	94.9	97.5	97.5	97.5	98.1	98.7	98.7	98.7	98.7
IV 0	7.0	45.9	56.7	70.1	80.9	91.1	93.6	94.9	97.5	97.5	97.5	98.1	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 157

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

1111

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .4	≥ .4	≥ 5/16	≥ .	≥ 0
NO CEILING	4.1	28.5	37.3	44.4	51.2	53.3	54.5	55.4	55.5	55.6	55.9	56.0	56.0	56.0	56.1	56.1
≥ 20000	5.1	32.5	42.6	50.1	57.8	59.8	61.1	62.1	62.2	62.3	62.6	62.7	62.7	62.7	62.8	62.8
IV 18000	5.5	33.0	43.1	50.6	57.9	60.3	61.6	62.6	62.7	62.8	63.0	63.2	63.2	63.2	63.3	63.3
IV 16000	5.6	33.1	43.2	50.7	58.0	60.4	61.7	62.7	62.8	62.9	63.2	63.3	63.3	63.3	63.4	63.4
IV 14000	5.6	33.5	44.1	51.7	59.1	61.5	62.8	63.8	63.9	64.0	64.2	64.4	64.4	64.4	64.5	64.5
IV 12000	5.9	36.0	46.9	54.9	62.9	65.3	66.9	67.8	67.9	68.1	68.3	68.4	68.4	68.4	68.5	68.5
IV 10000	6.0	37.8	49.4	58.6	66.9	69.3	70.9	71.9	72.0	72.1	72.4	72.5	72.5	72.5	72.6	72.6
IV 9000	6.0	38.3	50.0	59.8	67.8	70.2	71.9	72.8	73.0	73.1	73.3	73.4	73.4	73.4	73.6	73.6
IV 8000	6.1	40.2	52.0	61.8	70.3	72.8	74.5	75.5	75.6	75.7	76.0	76.1	76.1	76.1	76.2	76.2
IV 7000	6.2	40.2	52.3	62.1	70.6	73.1	74.8	75.7	75.8	76.0	76.2	76.3	76.3	76.3	76.4	76.4
IV 6000	6.2	40.6	52.6	62.4	70.9	73.4	75.1	76.1	76.2	76.3	76.6	76.7	76.7	76.7	76.8	76.8
IV 5000	6.2	40.9	53.0	62.9	71.4	73.9	75.6	76.6	76.7	76.8	77.0	77.2	77.2	77.2	77.3	77.3
IV 4500	6.6	41.4	53.5	63.4	72.0	74.5	76.2	77.2	77.3	77.4	77.6	77.8	77.8	77.8	77.9	77.9
IV 4000	6.6	42.1	54.1	64.2	72.8	75.4	77.0	78.0	78.1	78.2	78.5	78.6	78.6	78.6	78.7	78.7
IV 3500	6.6	42.5	54.8	64.7	73.3	75.8	77.5	78.5	78.6	78.7	78.9	79.1	79.1	79.1	79.2	79.2
IV 3000	6.6	42.6	54.9	65.0	73.7	76.2	77.9	78.8	78.9	79.1	79.3	79.4	79.4	79.4	79.5	79.5
IV 2500	6.7	42.8	55.1	65.2	73.9	76.4	78.1	79.1	79.2	79.3	79.5	79.7	79.7	79.7	79.8	79.8
IV 2000	6.7	43.3	55.9	65.9	74.8	77.3	78.9	79.9	80.0	80.1	80.4	80.5	80.5	80.5	80.6	80.6
IV 1800	6.7	43.3	55.9	65.9	74.8	77.3	78.9	79.9	80.0	80.1	80.4	80.5	80.5	80.5	80.6	80.6
IV 1500	6.9	44.4	57.2	67.6	76.6	79.1	80.7	81.8	81.9	82.3	82.5	82.7	82.7	82.7	82.8	82.8
IV 1200	6.9	46.1	59.1	70.0	79.1	81.6	83.4	84.4	84.6	84.9	85.2	85.3	85.3	85.3	85.4	85.4
IV 1000	7.1	47.7	61.0	72.2	81.7	84.7	86.6	87.8	87.9	88.4	88.6	88.8	88.8	88.8	88.9	88.9
IV 900	7.1	48.4	62.0	73.4	83.1	86.1	88.0	89.2	89.4	89.8	90.1	90.2	90.2	90.2	90.3	90.3
IV 800	7.1	49.4	63.3	74.9	84.9	88.0	90.0	91.1	91.3	91.7	92.0	92.1	92.1	92.1	92.2	92.2
IV 700	7.1	49.6	63.9	75.7	85.9	89.1	91.1	92.3	92.5	92.9	93.2	93.3	93.3	93.3	93.4	93.4
IV 600	7.1	50.8	65.3	77.3	87.7	91.1	93.2	94.4	94.5	95.0	95.2	95.3	95.3	95.3	95.5	95.5
IV 500	7.1	51.3	66.1	78.1	89.0	92.5	94.6	96.3	96.5	97.0	97.4	97.5	97.6	97.7	97.8	97.8
IV 400	7.1	51.3	66.6	78.6	89.6	93.3	95.5	97.2	97.5	98.0	98.3	98.4	98.4	98.4	98.9	98.9
IV 300	7.1	51.3	66.6	78.6	89.7	93.4	95.6	97.4	97.6	98.3	98.7	98.8	98.9	99.0	99.3	99.5
IV 200	7.1	51.3	66.6	78.6	89.7	93.5	95.7	97.5	97.7	98.4	98.9	99.0	99.2	99.3	99.4	99.9
IV 100	7.1	51.3	66.6	78.6	89.7	93.5	95.7	97.5	97.7	98.4	98.9	99.0	99.2	99.3	99.4	100.0
IV 0	7.1	51.3	66.6	78.6	89.7	93.5	95.7	97.5	97.7	98.4	98.9	99.0	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 836



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.16	≥ 0
NO CEILING	9.1	49.9	54.7	57.0	58.5	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	11.1	56.3	61.6	64.0	65.6	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 18000	11.1	56.6	62.0	64.4	65.9	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 16000	11.2	57.2	62.6	65.0	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	11.5	58.1	63.6	65.9	67.5	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 12000	12.1	61.8	67.4	70.1	71.8	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 10000	12.2	65.6	71.6	74.3	76.1	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	12.2	65.8	71.9	74.7	76.5	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 8000	12.7	67.3	73.6	76.3	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 7000	12.7	67.3	73.6	76.3	78.1	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 6000	12.7	67.4	73.7	76.5	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	12.6	67.9	74.2	76.9	78.7	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4500	13.0	68.2	74.7	77.4	79.3	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4000	13.4	68.9	75.7	78.5	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3500	13.6	70.1	77.1	79.9	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	14.0	72.6	79.7	82.8	84.7	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	14.0	73.8	81.1	84.2	86.1	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	14.1	75.7	83.4	86.6	88.5	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1800	14.2	76.6	84.2	87.5	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1500	14.3	78.4	86.1	89.4	91.4	91.5	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	14.3	80.5	88.9	92.5	94.6	94.7	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	14.3	82.1	90.9	94.6	97.3	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	14.3	82.1	91.0	95.0	97.6	97.7	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	14.3	82.4	91.4	95.5	98.1	98.2	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	14.3	82.6	91.8	95.8	98.4	98.6	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	14.3	82.6	91.8	95.8	98.4	98.6	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	14.3	82.6	91.8	95.8	98.4	98.6	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	14.3	82.6	91.8	95.8	98.4	98.6	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	14.3	82.6	91.8	95.8	98.4	98.6	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	14.3	82.6	91.8	95.8	98.4	98.6	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	14.3	82.6	91.8	95.8	98.4	98.6	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	14.3	82.6	91.8	95.8	98.4	98.6	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

837

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72265 MAXWELL AFB AL

73-81

1981

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	12.2	50.8	53.8	54.6	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	18.0	63.5	66.5	67.3	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 18000	18.0	63.6	66.6	67.5	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 16000	18.2	63.9	66.9	67.7	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	18.7	64.9	67.9	68.8	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 12000	19.3	67.9	71.2	72.1	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	20.4	72.9	76.1	77.1	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 9000	20.5	73.7	77.0	77.9	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 8000	20.6	76.0	79.2	80.2	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 7000	20.6	76.2	79.5	80.4	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 6000	20.9	76.4	79.6	80.6	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 5000	20.9	76.6	80.0	80.9	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4500	21.0	77.0	80.3	81.3	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4000	21.6	79.7	83.4	84.6	85.5	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3500	22.6	83.1	87.5	88.7	89.7	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.2	90.2	90.2
IV 3000	24.1	87.4	92.3	93.8	94.7	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
IV 2500	24.4	87.9	92.9	94.6	95.6	95.8	96.0	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3
IV 2000	24.6	89.0	94.1	95.8	96.9	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6
IV 1800	24.6	89.0	94.1	95.8	96.9	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6
IV 1500	24.6	89.0	95.0	96.6	97.7	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.7
IV 1200	24.6	90.8	95.7	97.4	98.4	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
IV 1000	24.6	90.8	95.7	97.4	98.4	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
IV 900	24.6	90.8	95.7	97.4	98.4	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
IV 800	24.6	90.8	95.8	97.5	98.6	98.8	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
IV 700	24.6	90.8	95.8	97.5	98.6	98.8	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
IV 600	24.6	90.8	95.8	97.5	98.6	98.8	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
IV 500	24.6	90.8	96.0	97.7	98.8	99.0	99.4	99.4	99.5	99.6	99.6	99.6	99.9	99.9	99.9	99.9
IV 400	24.6	90.8	96.0	97.7	98.8	99.0	99.4	99.4	99.5	99.6	99.6	99.6	99.9	99.9	99.9	99.9
IV 300	24.6	90.8	96.0	97.7	98.8	99.0	99.4	99.4	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
IV 200	24.6	90.8	96.0	97.7	98.8	99.0	99.4	99.4	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
IV 100	24.6	90.8	96.0	97.7	98.8	99.0	99.4	99.4	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0
IV 0	24.6	90.8	96.0	97.7	98.8	99.0	99.4	99.4	99.5	99.6	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	14.4	48.8	51.2	51.9	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	22.0	63.8	66.5	67.2	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 18000	22.1	64.0	66.6	67.4	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 16000	22.5	64.3	67.0	67.7	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 14000	22.9	65.5	68.2	68.9	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 12000	23.9	67.7	70.4	71.1	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 10000	26.3	74.2	77.9	78.8	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 9000	26.3	75.0	79.0	79.9	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 8000	27.1	77.7	82.0	82.9	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 7000	27.2	78.2	82.9	83.7	84.6	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 6000	27.2	78.4	83.1	84.0	84.8	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 5000	27.4	79.9	84.8	85.7	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4500	27.4	80.8	85.8	86.7	87.6	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 4000	28.0	84.0	89.0	90.2	91.3	91.4	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7
IV 3500	28.5	86.7	91.6	93.1	94.2	94.3	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7
IV 3000	29.0	88.7	93.9	95.4	96.6	96.7	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 2500	29.1	89.0	94.2	95.6	97.0	97.1	97.3	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	29.2	90.0	95.3	96.7	98.1	98.2	98.4	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	29.4	90.3	95.5	97.0	98.3	98.4	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	29.6	90.8	96.0	97.5	98.8	98.9	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	29.6	91.0	96.2	97.7	99.0	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	29.6	91.0	96.2	97.7	99.0	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	29.6	91.0	96.2	97.7	99.0	99.2	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	29.6	91.0	96.2	97.7	99.0	99.2	99.4	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	29.6	91.0	96.2	97.7	99.0	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	29.6	91.0	96.2	97.7	99.0	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	29.6	91.0	96.2	97.7	99.0	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	29.6	91.0	96.2	97.8	99.2	99.3	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	29.6	91.0	96.2	97.8	99.2	99.3	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	29.6	91.0	96.2	97.8	99.2	99.3	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	29.6	91.0	96.2	97.8	99.2	99.3	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	29.6	91.0	96.2	97.8	99.2	99.3	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 824

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

1111

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	14.1	47.1	48.4	48.5	49.3	49.3	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	20.9	65.0	67.3	68.0	68.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	21.0	65.3	67.6	68.4	69.1	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000	21.4	65.8	68.1	68.9	69.6	69.6	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 14000	22.3	67.6	70.1	70.8	71.5	71.5	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	23.4	70.2	72.5	73.2	74.0	74.0	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 10000	24.8	77.7	80.2	81.0	81.8	81.8	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 9000	25.3	79.1	81.6	82.5	83.2	83.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 8000	26.4	82.1	84.9	86.0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 7000	26.4	82.4	85.2	86.3	87.0	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 6000	26.9	82.7	85.5	86.7	87.5	87.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 5000	26.9	83.7	86.4	88.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 4500	26.9	85.3	88.7	90.0	90.8	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 4000	27.3	86.7	90.6	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 3500	27.7	88.2	92.3	93.7	94.5	94.5	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 3000	27.9	89.3	93.8	95.1	96.2	96.2	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2500	28.1	90.4	95.0	96.5	97.6	97.6	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	28.3	90.6	95.3	96.8	97.9	97.9	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	28.3	90.9	95.5	97.2	98.3	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	28.2	91.2	95.9	97.6	98.7	98.7	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	28.2	91.2	95.9	97.6	98.8	98.8	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	28.2	91.4	96.0	97.7	98.9	98.9	99.5	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	21.5	55.8	58.9	59.5	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 20000	24.9	71.3	75.3	76.4	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 18000	24.9	71.3	75.3	76.4	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 16000	25.3	71.6	75.6	76.7	77.6	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 14000	25.3	72.9	76.9	78.0	78.9	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 12000	25.5	74.4	78.7	79.8	80.7	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 10000	26.5	78.7	83.5	84.5	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 9000	26.5	79.1	83.8	84.9	85.8	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 8000	26.9	80.2	85.1	86.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 7000	27.3	80.7	85.6	87.1	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 6000	27.6	81.5	86.4	87.8	88.9	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 5000	27.8	82.4	87.3	88.7	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 4500	28.0	83.5	88.4	90.0	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 4000	28.2	84.9	90.4	92.2	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 3500	28.5	86.0	91.5	93.3	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 3000	28.5	86.5	92.0	94.4	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	28.5	87.5	92.9	95.3	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2000	28.7	87.8	93.3	95.6	96.9	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800	28.9	88.2	93.6	96.0	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	28.9	88.5	94.0	96.4	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	29.1	89.1	94.5	96.9	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	29.1	89.3	94.7	97.3	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	29.1	89.8	95.3	97.8	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	29.1	89.8	95.3	98.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	29.1	89.8	95.3	98.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	29.1	90.0	95.5	98.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	29.1	90.0	95.5	98.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	29.1	90.0	95.5	98.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	29.1	90.0	95.5	98.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	29.1	90.0	95.5	98.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	29.1	90.0	95.5	98.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	29.1	90.0	95.5	98.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 550

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

111

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

111

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	11.7	45.5	49.6	51.8	53.9	54.6	55.0	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4
≥ 20000	16.1	57.1	61.8	64.3	66.6	67.3	67.8	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.2	68.2
IV 18000	16.2	57.4	62.1	64.6	66.9	67.6	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.5	68.5
IV 16000	16.5	57.7	62.5	65.0	67.2	67.9	68.4	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8
IV 14000	16.8	58.8	63.7	66.2	68.5	69.2	69.7	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.1
IV 12000	17.5	61.4	66.5	69.2	71.6	72.3	72.8	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2
IV 10000	18.5	66.1	71.6	74.5	77.0	77.7	78.3	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7
IV 9000	18.6	66.8	72.4	75.4	77.9	78.6	79.2	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
IV 8000	19.1	68.9	74.7	77.8	80.4	81.1	81.7	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1
IV 7000	19.1	69.2	75.0	78.2	80.7	81.5	82.1	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5
IV 6000	19.2	69.4	75.3	78.5	81.0	81.8	82.4	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8
IV 5000	19.3	70.2	76.1	79.4	81.9	82.7	83.3	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.7	83.7
IV 4500	19.4	70.9	77.0	80.2	82.8	83.6	84.1	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6
IV 4000	19.5	72.6	79.0	82.4	85.0	85.8	86.4	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8
IV 3500	20.3	74.3	80.8	84.3	87.0	87.7	88.4	88.6	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8
IV 3000	20.7	76.1	82.8	86.5	89.2	90.0	90.6	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1
IV 2500	20.8	76.7	83.6	87.3	90.1	90.8	91.5	91.7	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0
IV 2000	21.0	77.6	84.6	88.3	91.2	92.0	92.7	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.2	93.2
IV 1800	21.0	77.9	84.8	88.6	91.4	92.2	92.9	93.1	93.2	93.2	93.3	93.3	93.4	93.4	93.4	93.4
IV 1500	21.2	78.7	85.8	89.6	92.5	93.3	94.0	94.2	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6
IV 1200	21.2	79.7	86.9	90.8	93.8	94.6	95.3	95.5	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9
IV 1000	21.2	80.3	87.6	91.6	94.8	95.7	96.5	96.7	96.8	97.0	97.1	97.1	97.2	97.2	97.2	97.2
IV 900	21.2	80.5	87.8	92.0	95.2	96.1	96.9	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.7	97.7
IV 800	21.2	80.7	88.2	92.4	95.7	96.6	97.4	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.2	98.2
IV 700	21.2	80.8	88.3	92.6	95.9	96.9	97.8	98.0	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.5
IV 600	21.2	81.1	88.7	93.0	96.4	97.4	98.3	98.5	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0
IV 500	21.2	81.1	88.8	93.2	96.7	97.7	98.6	98.9	99.1	99.2	99.3	99.4	99.5	99.5	99.5	99.5
IV 400	21.2	81.1	88.9	93.3	96.8	97.8	98.7	99.1	99.3	99.4	99.5	99.6	99.7	99.7	99.8	99.8
IV 300	21.2	81.1	88.9	93.3	96.8	97.9	98.8	99.1	99.3	99.5	99.6	99.7	99.8	99.8	99.9	99.9
IV 200	21.2	81.1	88.9	93.3	96.8	97.9	98.8	99.2	99.3	99.5	99.7	99.7	99.8	99.9	99.9	100.0
IV 100	21.2	81.1	88.9	93.3	96.8	97.9	98.8	99.2	99.3	99.5	99.7	99.7	99.8	99.9	99.9	100.0
IV 0	21.2	81.1	88.9	93.3	96.8	97.9	98.8	99.2	99.3	99.5	99.7	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 8859

USAF ETAC FORM 0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73.75-76.78-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	3.6	22.5	29.7	42.0	52.2	56.5	60.1	61.6	62.3	62.3	62.3	62.3	62.3	62.3	63.0	63.0
≥ 20000	4.3	26.1	34.1	48.6	58.7	63.0	67.4	69.6	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0
IV 18000	4.3	26.1	34.1	48.6	58.7	63.0	67.4	69.6	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0
IV 16000	4.3	26.1	34.1	48.6	58.7	63.0	67.4	69.6	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0
IV 14000	4.3	26.1	34.1	48.6	58.7	63.0	67.4	69.6	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0
IV 12000	4.3	26.1	34.1	48.6	58.7	63.0	67.4	69.6	70.3	70.3	70.3	70.3	70.3	70.3	71.0	71.0
IV 10000	4.3	31.2	39.1	53.6	63.8	69.6	74.6	76.8	77.5	77.5	77.5	77.5	77.5	77.5	78.3	78.3
IV 9000	4.3	31.2	39.1	53.6	63.8	69.6	74.6	76.8	77.5	77.5	77.5	77.5	77.5	77.5	78.3	78.3
IV 8000	4.3	31.9	39.9	54.3	64.5	70.3	75.4	77.5	78.3	78.3	78.3	78.3	78.3	78.3	79.0	79.0
IV 7000	4.3	31.9	39.9	54.3	64.5	70.3	75.4	77.5	78.3	78.3	78.3	78.3	78.3	78.3	79.0	79.0
IV 6000	4.3	31.9	39.9	54.3	64.5	70.3	75.4	77.5	78.3	78.3	78.3	78.3	78.3	78.3	79.0	79.0
IV 5000	4.3	31.9	39.9	54.3	65.2	71.0	76.1	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.7	79.7
IV 4500	4.3	31.9	39.9	54.3	65.9	71.7	76.8	79.0	79.7	79.7	79.7	79.7	79.7	79.7	80.4	80.4
IV 4000	4.3	31.9	39.9	54.3	65.9	71.7	76.8	79.0	79.7	79.7	79.7	79.7	79.7	79.7	80.4	80.4
IV 3500	5.1	32.6	40.6	55.1	67.4	73.2	78.3	80.4	81.2	81.2	81.2	81.2	81.2	81.2	81.9	81.9
IV 3000	5.1	32.6	40.6	55.1	67.4	73.2	78.3	80.4	81.2	81.2	81.2	81.2	81.2	81.2	81.9	81.9
IV 2500	5.1	33.3	41.3	56.5	68.8	74.6	79.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	83.3	83.3
IV 2000	5.1	34.1	42.8	59.4	71.7	77.5	82.6	84.8	85.5	85.5	85.5	85.5	85.5	85.5	86.2	86.2
IV 1800	5.1	34.1	42.8	60.1	72.5	78.3	83.3	85.5	86.2	86.2	86.2	86.2	86.2	86.2	87.0	87.0
IV 1500	5.1	34.1	43.5	61.6	73.9	79.7	84.8	87.0	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4
IV 1200	5.8	34.8	44.2	63.0	76.1	81.9	87.7	89.9	90.6	90.6	90.6	90.6	90.6	90.6	91.3	91.3
IV 1000	5.8	34.8	44.2	63.8	76.8	82.6	88.4	90.6	91.3	91.3	91.3	91.3	91.3	91.3	92.0	92.0
IV 900	5.8	35.5	44.9	65.2	78.3	84.1	89.9	92.0	92.8	92.8	92.8	92.8	92.8	92.8	93.5	93.5
IV 800	5.8	35.5	44.9	65.9	79.7	85.5	91.3	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.9	94.9
IV 700	5.8	35.5	44.9	65.9	79.7	85.5	91.3	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.9	94.9
IV 600	5.8	35.5	44.9	65.9	79.7	85.5	91.3	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.9	94.9
IV 500	5.8	35.5	44.9	65.9	79.7	85.5	91.3	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.9	94.9
IV 400	5.8	35.5	46.4	67.4	81.9	87.7	94.2	96.4	97.1	97.8	97.8	97.8	97.8	97.8	98.6	98.6
IV 300	5.8	35.5	46.4	67.4	81.9	87.7	94.2	96.4	97.1	97.8	97.8	97.8	97.8	97.8	98.6	98.6
IV 200	5.8	35.5	46.4	67.4	81.9	87.7	94.2	96.4	97.1	97.8	97.8	97.8	97.8	97.8	98.6	98.6
IV 100	5.8	35.5	46.4	67.4	81.9	87.7	94.2	96.4	97.1	97.8	97.8	97.8	97.8	97.8	98.6	98.6
IV 0	5.8	35.5	46.4	67.4	81.9	87.7	94.2	96.4	97.1	97.8	97.8	97.8	97.8	97.8	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 138

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2400  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	5.0	33.8	43.8	52.0	58.1	60.3	61.5	62.7	63.0	63.1	63.1	63.1	63.2	63.3	63.4	63.4
≥ 20000	5.3	36.2	46.2	55.2	61.8	64.3	65.8	67.1	67.4	67.9	67.9	67.9	68.0	68.1	68.2	68.2
≥ 18000	5.3	36.2	46.2	55.2	61.8	64.3	65.8	67.1	67.4	67.9	67.9	67.9	68.0	68.1	68.2	68.2
≥ 16000	5.3	36.3	46.4	55.3	61.9	64.4	65.9	67.3	67.5	68.0	68.0	68.0	68.1	68.2	68.3	68.3
≥ 14000	5.4	36.4	46.6	55.6	62.1	64.6	66.2	67.5	67.7	68.2	68.2	68.2	68.3	68.5	68.6	68.6
≥ 12000	5.6	37.2	47.4	56.8	63.7	66.2	67.7	69.2	69.4	69.9	69.9	69.9	70.0	70.1	70.3	70.3
≥ 10000	6.0	40.0	50.5	60.1	67.1	69.9	71.4	72.9	73.1	73.6	73.6	73.6	73.7	73.8	74.0	74.0
≥ 9000	6.0	40.5	51.1	60.8	67.9	70.6	72.2	73.6	73.8	74.3	74.3	74.3	74.4	74.6	74.7	74.7
≥ 8000	6.0	41.9	53.5	63.7	70.7	73.6	75.1	76.6	76.8	77.3	77.3	77.3	77.4	77.7	77.8	77.8
≥ 7000	6.1	42.7	54.2	64.4	71.4	74.3	76.0	77.4	77.7	78.1	78.1	78.1	78.3	78.5	78.6	78.6
≥ 6000	6.1	42.7	54.2	64.4	71.4	74.3	76.0	77.4	77.7	78.1	78.1	78.1	78.3	78.5	78.6	78.6
≥ 5000	6.1	43.1	55.0	65.1	72.3	75.1	76.8	78.3	78.5	79.0	79.0	79.0	79.1	79.3	79.5	79.5
≥ 4500	6.1	43.4	55.2	65.4	72.5	75.5	77.2	78.6	78.9	79.3	79.3	79.3	79.5	79.7	79.8	79.8
≥ 4000	6.1	43.6	55.6	65.7	72.9	75.9	77.5	79.0	79.2	79.7	79.7	79.7	79.8	80.0	80.2	80.2
≥ 3500	6.2	44.0	55.9	66.1	73.2	76.2	77.9	79.3	79.6	80.0	80.0	80.0	80.2	80.4	80.5	80.5
≥ 3000	6.2	44.3	56.3	66.4	73.7	76.7	78.4	79.8	80.0	80.5	80.5	80.5	80.6	80.9	81.0	81.0
≥ 2500	6.2	44.8	56.8	67.0	74.3	77.3	79.0	80.4	80.6	81.1	81.1	81.1	81.2	81.5	81.6	81.6
≥ 2000	6.3	46.0	58.1	68.5	75.7	78.7	80.4	82.0	82.2	82.7	82.7	82.7	82.8	83.0	83.2	83.2
≥ 1800	6.3	46.1	58.2	68.7	76.0	79.0	80.6	82.2	82.4	82.9	82.9	82.9	83.0	83.3	83.4	83.4
≥ 1500	6.3	46.7	59.0	69.8	77.1	80.2	82.0	83.5	83.8	84.2	84.2	84.2	84.3	84.6	84.7	84.7
≥ 1200	6.7	47.8	60.3	71.7	79.1	82.2	84.0	85.7	85.9	86.4	86.4	86.4	86.5	86.7	86.9	86.9
≥ 1000	6.7	49.0	62.1	73.7	81.2	84.5	86.3	87.9	88.2	88.6	88.6	88.6	88.8	89.0	89.1	89.1
≥ 900	6.7	49.8	63.6	75.5	83.2	86.6	88.4	90.1	90.3	90.8	90.8	90.8	90.9	91.2	91.3	91.3
≥ 800	6.8	50.8	65.0	77.2	84.9	88.5	90.4	92.1	92.4	92.8	92.8	92.8	93.0	93.2	93.3	93.3
≥ 700	6.8	51.0	65.5	78.1	86.0	89.6	91.5	93.2	93.4	93.9	93.9	93.9	94.0	94.3	94.4	94.4
≥ 600	6.8	51.5	66.3	79.6	87.5	91.2	93.2	94.9	95.1	95.6	95.6	95.6	95.7	95.9	96.1	96.1
≥ 500	6.8	51.7	67.1	80.5	88.8	92.7	94.7	96.4	96.7	97.3	97.3	97.3	97.4	97.6	97.7	97.7
≥ 400	6.8	51.9	67.5	81.1	89.4	93.3	95.5	97.4	97.6	98.2	98.2	98.2	98.3	98.6	98.7	98.7
≥ 300	6.8	51.9	67.5	81.1	89.6	93.5	95.8	97.7	98.0	98.7	98.8	98.8	99.0	99.3	99.4	99.4
≥ 200	6.8	51.9	67.5	81.1	89.7	93.7	95.9	98.0	98.2	99.2	99.3	99.3	99.5	99.8	99.9	99.9
≥ 100	6.8	51.9	67.5	81.1	89.7	93.7	95.9	98.0	98.2	99.2	99.3	99.3	99.5	99.8	100.0	100.0
≥ 0	6.8	51.9	67.5	81.1	89.7	93.7	95.9	98.0	98.2	99.2	99.3	99.3	99.5	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837



AD-A122 716

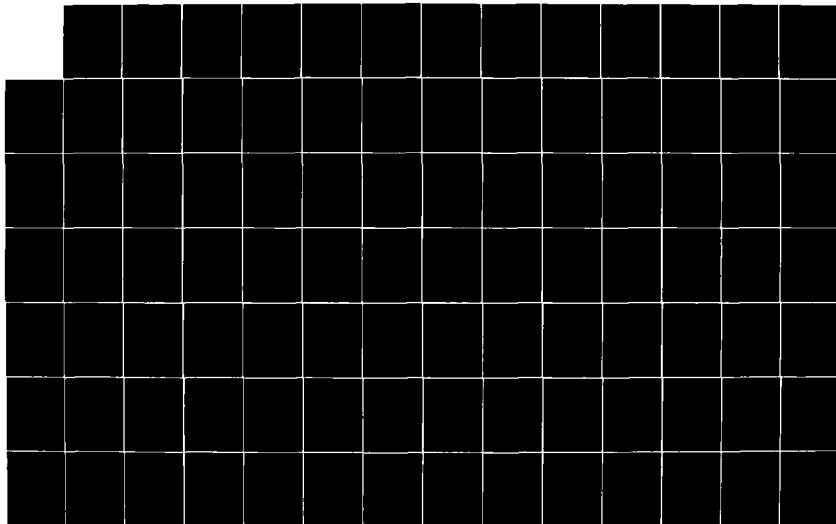
MAXWELL AFB ALABAMA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 24 AUG 82  
USAFETAC/DS-82/081 SBT-AD-8800 300

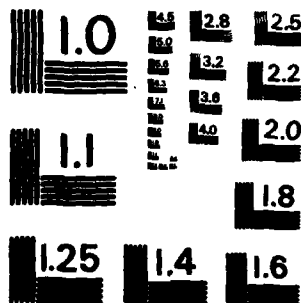
3/5

UNCLASSIFIED

F/A 4/2

NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	14.7	59.3	63.4	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 18000	16.0	64.0	68.7	71.8	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 16000	16.0	64.2	68.8	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 14000	16.5	65.1	69.8	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 12000	17.1	67.5	72.3	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 10000	17.6	70.5	75.8	79.0	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 9000	17.7	70.7	75.9	79.2	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 8000	18.0	72.2	77.4	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 7000	18.0	72.3	77.5	81.1	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 6000	18.4	72.5	77.8	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 5000	18.2	73.4	78.6	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	18.2	73.6	78.9	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	18.3	74.4	79.7	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500	18.5	75.7	81.0	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000	19.4	77.4	83.3	86.9	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2500	19.6	78.6	84.0	87.6	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	19.6	80.8	86.4	90.0	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	19.6	80.9	86.5	90.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1500	19.7	82.4	88.2	92.4	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	20.4	85.2	91.3	95.5	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	20.6	86.3	92.8	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	20.6	86.7	93.4	98.0	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	20.9	87.2	93.9	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	20.9	87.2	93.9	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	20.9	87.2	93.9	98.4	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	20.9	87.2	94.0	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	20.9	87.2	94.0	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	20.9	87.2	94.0	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	20.9	87.2	94.0	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	20.9	87.2	94.0	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	20.9	87.2	94.0	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0
NO CEILING	22.1	58.1	59.5	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	25.6	68.9	71.0	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 18000	25.7	69.1	71.1	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 16000	25.7	69.1	71.1	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 14000	25.8	69.9	72.0	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	27.2	72.5	74.7	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 10000	29.0	76.6	79.2	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000	29.3	76.9	79.6	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 8000	30.0	79.9	82.1	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 7000	30.0	79.9	82.2	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	30.2	80.1	82.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000	30.3	80.9	83.5	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4500	30.5	81.2	83.9	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 4000	31.1	82.9	85.8	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3500	31.7	87.2	90.2	90.9	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3000	33.1	90.7	93.9	94.6	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2500	33.5	91.8	95.0	95.7	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	33.5	92.8	95.8	96.7	97.1	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
IV 1800	33.5	92.8	96.2	97.3	97.7	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 1500	33.6	93.4	96.9	98.2	98.7	98.9	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200	34.1	93.7	97.1	98.4	98.9	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	34.1	94.0	97.8	98.8	99.1	99.5	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

AME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥4	≥0
NO CEILING	20.3	49.5	52.3	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000	27.7	66.3	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 18000	28.3	66.5	70.0	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 16000	28.3	66.5	70.0	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 14000	28.6	67.7	71.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 12000	30.3	70.7	74.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 10000	31.4	76.0	79.5	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 9000	32.0	77.5	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 8000	33.3	80.4	84.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	33.3	80.4	84.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000	33.5	81.4	85.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 5000	33.5	81.7	85.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500	33.6	82.6	86.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 4000	34.7	83.6	87.6	88.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	34.9	87.6	91.6	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	35.8	89.8	93.7	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500	35.5	90.3	95.3	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2000	35.7	91.2	96.3	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	35.7	91.2	96.3	98.2	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	35.7	91.5	96.5	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	35.7	91.6	97.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS - LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥.	≥0
NO CEILING	17.1	47.1	49.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	24.0	66.1	69.1	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 18000	24.3	66.5	69.5	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 16000	24.4	66.6	69.6	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000	25.0	67.2	70.3	72.1	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 12000	27.2	70.8	74.2	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 10000	28.9	77.0	80.6	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 9000	29.1	77.5	81.3	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 8000	30.3	81.2	85.4	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 7000	30.7	81.9	86.1	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 6000	30.7	82.3	86.5	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 5000	31.1	83.4	87.6	89.7	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4500	31.5	84.4	88.6	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 4000	31.5	85.2	89.6	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3500	31.6	87.0	91.9	94.4	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	31.6	89.2	94.4	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500	31.6	89.4	94.5	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	31.6	90.0	95.1	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	31.6	90.2	95.3	98.2	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	31.6	90.4	95.6	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	31.6	90.4	95.6	98.7	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 834

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	23.3	59.1	60.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	25.9	73.7	75.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 18000	25.9	73.7	75.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 16000	26.1	73.5	76.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 14000	26.5	74.2	76.6	79.2	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 12000	27.0	75.3	77.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 10000	28.2	79.4	81.7	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 9000	28.2	79.4	81.7	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 8000	29.5	83.7	86.3	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 7000	29.5	83.7	86.3	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 6000	29.5	83.7	86.3	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 5000	30.7	85.8	88.5	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 4500	30.4	86.3	89.0	92.2	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 4000	30.4	86.3	89.0	92.2	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3500	30.7	85.8	88.5	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 3000	31.1	89.9	93.3	97.0	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2500	31.1	89.9	93.3	97.0	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	31.1	90.8	94.3	98.0	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	31.1	90.8	94.3	98.0	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	31.1	90.8	94.3	98.0	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	31.1	90.8	94.3	98.0	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	31.1	91.1	94.7	98.4	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 563

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	16.4	49.9	53.8	56.7	58.1	58.6	58.9	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	20.2	60.9	65.3	68.7	70.3	70.8	71.2	71.5	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7
IV 18000	20.2	61.0	65.5	68.8	70.4	71.0	71.4	71.7	71.7	71.8	71.8	71.8	71.8	71.9	71.9	71.9
IV 16000	20.2	61.1	65.5	68.9	70.5	71.1	71.5	71.8	71.8	71.9	71.9	71.9	71.9	72.0	72.0	72.0
IV 14000	20.4	61.8	66.3	69.7	71.3	71.9	72.3	72.6	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.8
IV 12000	21.7	64.0	68.6	72.1	73.8	74.4	74.8	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3
IV 10000	22.8	68.3	73.1	76.7	78.4	79.1	79.5	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0
IV 9000	23.0	68.8	73.7	77.4	79.0	79.7	80.1	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.7	80.7
IV 8000	23.7	71.4	76.4	80.4	82.1	82.8	83.2	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.8	83.8
IV 7000	23.8	71.7	77.0	80.8	82.5	83.2	83.6	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.2	84.2
IV 6000	23.9	72.1	77.4	81.2	82.9	83.6	84.0	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.6
IV 5000	24.1	72.9	78.2	82.0	83.8	84.5	84.9	85.2	85.3	85.4	85.4	85.4	85.4	85.5	85.5	85.5
IV 4500	24.2	73.4	78.7	82.6	84.4	85.1	85.5	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1
IV 4000	24.5	74.4	79.8	83.7	85.5	86.2	86.7	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2
IV 3500	24.6	76.4	82.0	86.0	87.8	88.5	89.0	89.3	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5
IV 3000	25.4	78.5	84.3	88.3	90.3	91.0	91.5	91.8	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.1
IV 2500	25.5	79.0	84.8	88.9	90.9	91.7	92.1	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.8	92.8
IV 2000	25.5	80.0	86.0	90.2	92.3	93.1	93.5	93.9	94.0	94.1	94.1	94.1	94.1	94.2	94.2	94.2
IV 1800	25.5	80.2	86.2	90.5	92.6	93.3	93.8	94.2	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.5
IV 1500	25.6	80.8	86.9	91.4	93.5	94.3	94.8	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.5	95.5
IV 1200	25.9	81.5	87.8	92.4	94.5	95.3	95.9	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.6	96.6
IV 1000	25.9	82.0	88.4	93.2	95.4	96.2	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4
IV 900	25.9	82.2	88.8	93.6	95.8	96.7	97.2	97.6	97.7	97.8	97.8	97.8	97.9	97.9	98.0	98.0
IV 800	26.0	82.3	89.2	94.1	96.3	97.2	97.8	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5
IV 700	26.0	82.5	89.2	94.3	96.5	97.4	98.0	98.3	98.4	98.5	98.6	98.6	98.6	98.7	98.7	98.7
IV 600	26.0	82.6	89.4	94.6	96.8	97.8	98.3	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1
IV 500	26.0	82.7	89.6	94.8	97.1	98.1	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.4	99.5	99.5
IV 400	26.0	82.7	89.7	94.9	97.3	98.3	98.9	99.2	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 300	26.0	82.7	89.7	94.9	97.3	98.3	98.9	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.9	99.9
IV 200	26.0	82.7	89.7	94.9	97.3	98.3	98.9	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.9	99.9
IV 100	26.0	82.7	89.7	94.9	97.3	98.3	98.9	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.9	99.9
IV 0	26.0	82.7	89.7	94.9	97.3	98.3	98.9	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 8895



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

74.76.78-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	2.4	28.8	40.8	47.2	48.8	52.0	56.8	58.4	58.4	60.0	60.0	60.8	60.8	60.8	60.8	60.8
≥ 20000	2.4	30.4	42.4	48.8	50.4	53.6	58.4	60.0	60.0	61.6	61.6	62.4	62.4	62.4	62.4	62.4
≥ 18000	2.4	30.4	42.4	48.8	50.4	53.6	58.4	60.0	60.0	61.6	61.6	62.4	62.4	62.4	62.4	62.4
≥ 16000	2.4	30.4	42.4	48.8	50.4	53.6	58.4	60.0	60.0	62.4	62.4	63.2	63.2	63.2	63.2	63.2
≥ 14000	2.4	30.4	42.4	48.8	50.4	53.6	58.4	60.0	60.0	62.4	62.4	63.2	63.2	63.2	63.2	63.2
≥ 12000	2.4	31.2	43.2	50.4	52.0	55.2	60.0	62.4	62.4	64.0	64.0	64.8	64.8	64.8	64.8	64.8
≥ 10000	2.4	34.4	46.4	55.2	57.6	60.0	65.6	68.0	68.0	69.6	69.6	70.4	70.4	70.4	70.4	70.4
≥ 9000	2.4	34.4	46.4	55.2	57.6	60.0	65.6	68.0	68.0	69.6	69.6	70.4	70.4	70.4	70.4	70.4
≥ 8000	2.4	36.8	49.6	58.4	60.8	64.0	68.0	72.0	72.0	73.6	73.6	74.4	74.4	74.4	74.4	74.4
≥ 7000	2.4	36.8	49.6	58.4	60.8	64.0	68.0	72.0	72.0	73.6	73.6	74.4	74.4	74.4	74.4	74.4
≥ 6000	2.4	37.6	50.4	59.2	61.6	64.8	69.6	72.8	72.8	74.4	74.4	75.2	75.2	75.2	75.2	75.2
≥ 5000	2.4	37.6	50.4	59.2	61.6	64.8	69.6	72.8	72.8	74.4	74.4	75.2	75.2	75.2	75.2	75.2
≥ 4500	2.4	37.6	50.4	59.2	61.6	64.8	69.6	72.8	72.8	74.4	74.4	75.2	75.2	75.2	75.2	75.2
≥ 4000	2.4	37.6	50.4	59.2	61.6	64.8	69.6	72.8	72.8	74.4	74.4	75.2	75.2	75.2	75.2	75.2
≥ 3500	2.4	38.4	52.0	60.8	63.2	66.4	71.2	74.4	74.4	76.0	76.0	76.8	76.8	76.8	76.8	76.8
≥ 3000	2.4	40.8	54.4	63.2	65.6	68.8	73.6	76.8	76.8	78.4	78.4	79.2	79.2	79.2	79.2	79.2
≥ 2500	2.4	40.8	56.0	64.8	68.0	71.2	76.0	79.2	79.2	80.8	80.8	81.6	81.6	81.6	81.6	81.6
≥ 2000	2.4	40.8	56.0	64.8	68.0	71.2	76.0	79.2	79.2	80.8	80.8	81.6	81.6	81.6	81.6	81.6
≥ 1800	2.4	41.6	56.8	65.6	68.8	72.0	76.8	80.0	80.0	81.6	81.6	82.4	82.4	82.4	82.4	82.4
≥ 1500	3.2	44.0	60.0	68.8	73.6	76.8	81.6	84.8	84.8	86.4	86.4	87.2	87.2	87.2	87.2	87.2
≥ 1200	4.0	44.8	60.8	70.4	76.0	79.2	84.0	87.2	87.2	88.8	88.8	89.6	89.6	89.6	89.6	89.6
≥ 1000	4.0	45.6	62.4	72.0	77.6	81.6	86.4	89.6	89.6	91.2	91.2	92.0	92.0	92.0	92.0	92.0
≥ 900	4.0	45.6	62.4	72.0	77.6	81.6	86.4	89.6	89.6	91.2	91.2	92.0	92.0	92.0	92.0	92.0
≥ 800	4.0	45.6	62.4	72.0	77.6	81.6	86.4	89.6	89.6	91.2	91.2	92.0	92.0	92.0	92.0	92.0
≥ 700	4.0	46.4	63.2	72.8	80.0	84.0	88.8	92.0	92.0	93.6	93.6	94.4	94.4	94.4	94.4	94.4
≥ 600	4.0	46.4	63.2	72.8	80.0	84.0	88.8	92.0	92.0	93.6	93.6	94.4	94.4	94.4	94.4	94.4
≥ 500	4.0	46.4	64.0	75.2	82.4	86.4	91.2	95.2	95.2	96.8	96.8	97.6	97.6	97.6	97.6	97.6
≥ 400	4.0	46.4	64.0	75.2	82.4	86.4	91.2	95.2	95.2	96.8	96.8	97.6	97.6	97.6	97.6	97.6
≥ 300	4.0	46.4	64.0	75.2	83.2	87.2	92.0	96.0	96.0	97.6	97.6	98.4	98.4	98.4	98.4	98.4
≥ 200	4.0	46.4	64.0	75.2	83.2	87.2	92.0	96.0	96.0	97.6	97.6	98.4	98.4	98.4	99.2	100.0
≥ 100	4.0	46.4	64.0	75.2	83.2	87.2	92.0	96.0	96.0	97.6	97.6	98.4	98.4	98.4	99.2	100.0
≥ 0	4.0	46.4	64.0	75.2	83.2	87.2	92.0	96.0	96.0	97.6	97.6	98.4	98.4	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 125

USAF ETAC FORM 8-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING	5.1	27.6	33.5	39.1	43.1	44.6	46.2	47.3	47.6	48.0	48.0	48.0	48.4	48.4	48.4	48.6
≥ 20000	6.1	30.7	36.9	43.1	47.8	49.6	51.2	52.5	52.8	53.2	53.2	53.2	53.6	53.6	53.6	54.0
≥ 18000	6.1	30.7	36.9	43.1	47.8	49.6	51.2	52.5	52.8	53.2	53.2	53.2	53.6	53.6	53.6	54.0
≥ 16000	6.1	30.7	36.9	43.1	47.8	49.6	51.2	52.5	52.8	53.2	53.2	53.2	53.6	53.6	53.6	54.0
≥ 14000	6.1	31.3	37.6	44.1	48.9	50.7	52.4	53.6	54.0	54.3	54.3	54.3	54.7	54.7	54.7	55.1
≥ 12000	6.2	33.2	39.7	46.4	51.8	53.2	55.0	56.2	56.6	57.1	57.1	57.1	57.8	57.8	57.8	57.8
≥ 10000	6.3	34.0	41.5	48.6	53.7	55.8	57.7	59.2	59.7	60.1	60.1	60.3	60.8	60.8	60.8	61.1
≥ 9000	6.3	34.3	41.8	49.0	54.3	56.8	58.5	60.1	60.6	61.1	61.1	61.3	61.8	61.8	61.8	62.1
≥ 8000	6.3	36.1	45.0	52.5	57.8	60.6	62.6	64.2	64.9	65.5	65.5	65.6	66.2	66.2	66.2	66.6
≥ 7000	6.3	36.4	45.4	53.1	58.7	61.5	63.5	65.1	65.7	66.3	66.3	66.5	67.1	67.1	67.1	67.5
≥ 6000	6.3	37.3	46.7	54.5	60.1	63.0	65.0	66.7	67.3	67.9	67.9	68.1	68.7	68.7	68.7	69.1
≥ 5000	6.3	37.5	47.4	55.2	60.9	63.7	65.7	67.5	68.1	68.7	68.7	68.8	69.4	69.4	69.4	69.8
≥ 4500	6.3	37.5	47.4	55.4	61.3	64.1	66.1	67.8	68.4	69.1	69.1	69.2	69.8	69.8	69.8	70.2
≥ 4000	6.3	37.7	48.1	56.2	62.0	64.9	66.8	68.6	69.2	69.8	69.8	69.9	70.5	70.5	70.5	70.9
≥ 3500	6.3	38.1	48.5	56.8	62.9	65.7	67.8	69.6	70.2	70.8	70.8	70.9	71.5	71.5	71.5	71.9
≥ 3000	6.6	39.2	49.8	58.0	64.2	67.1	69.3	71.0	71.7	72.3	72.3	72.4	73.0	73.0	73.0	73.4
≥ 2500	6.9	40.7	51.4	59.9	66.1	68.9	71.2	72.9	73.5	74.1	74.1	74.3	74.9	75.0	75.0	75.4
≥ 2000	7.9	42.8	53.2	61.8	67.9	70.6	73.0	74.8	75.8	76.0	76.0	76.1	76.7	76.9	76.9	77.2
≥ 1800	7.9	43.2	53.8	62.4	68.6	71.4	73.6	75.4	76.0	76.6	76.6	76.7	77.4	77.5	77.5	77.8
≥ 1500	8.2	45.5	56.7	65.3	71.5	74.3	76.7	78.5	79.1	79.7	79.7	79.8	80.4	80.6	80.6	80.9
≥ 1200	8.7	47.6	58.5	67.3	73.5	76.4	78.8	80.6	81.2	81.8	81.8	81.9	82.5	82.7	82.7	83.0
≥ 1000	8.9	49.1	61.3	70.2	76.4	79.3	81.9	83.8	84.7	85.3	85.3	85.4	86.0	86.1	86.1	86.5
≥ 900	8.9	51.0	62.6	71.9	78.3	81.3	83.8	86.0	86.8	87.4	87.4	87.5	88.1	88.2	88.2	88.6
≥ 800	9.0	51.5	63.4	72.9	79.3	82.3	84.8	87.0	87.7	88.3	88.3	88.4	89.2	89.4	89.4	89.7
≥ 700	9.0	52.0	64.2	74.4	80.9	84.0	86.5	88.7	89.3	90.1	90.2	90.3	91.0	91.1	91.1	91.5
≥ 600	9.0	52.5	64.7	75.0	81.5	84.5	87.0	89.3	90.0	90.8	91.5	91.6	92.3	92.5	92.5	92.8
≥ 500	9.0	52.8	65.0	76.3	83.0	86.0	88.5	90.8	92.8	93.7	94.3	94.4	94.6	95.2	95.3	95.7
≥ 400	9.0	52.8	65.0	76.7	83.4	86.4	88.9	91.2	93.1	93.9	94.5	94.6	94.8	95.4	95.5	95.8
≥ 300	9.0	52.8	65.0	76.7	83.4	86.4	88.9	91.2	93.1	93.9	94.5	94.6	94.8	95.4	95.5	95.8
≥ 200	9.0	52.8	65.0	76.7	83.4	86.4	88.9	91.2	93.1	93.9	94.5	94.6	94.8	95.4	95.5	95.8
≥ 100	9.0	52.8	65.0	76.7	83.4	86.4	88.9	91.2	93.1	93.9	94.5	94.6	94.8	95.4	95.5	95.8
≥ 0	9.0	52.8	65.0	76.7	83.4	86.4	88.9	91.2	93.1	93.9	94.5	94.6	94.8	95.4	95.5	95.8

TOTAL NUMBER OF OBSERVATIONS 808

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	11.1	43.4	46.5	48.5	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	13.1	48.6	51.9	54.1	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 18000	13.2	48.9	52.4	54.6	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 16000	13.2	49.6	53.2	55.5	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	13.3	49.8	53.5	56.0	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 12000	13.7	51.9	56.0	58.5	59.2	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 10000	14.5	55.6	60.4	63.2	64.4	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 9000	14.6	56.4	61.3	64.0	65.4	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 8000	15.2	58.1	63.7	66.5	67.9	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	15.2	58.2	63.9	66.7	68.1	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	15.3	58.8	64.8	67.6	69.0	69.2	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 5000	15.3	59.2	65.4	68.2	69.6	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 4500	15.6	59.6	66.3	69.2	70.6	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 4000	15.8	60.6	67.5	70.4	71.9	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 3500	16.6	61.3	68.2	71.4	72.8	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 3000	17.1	62.9	69.8	73.1	74.4	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 2500	17.6	65.5	72.8	76.1	77.5	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 2000	18.8	68.5	75.9	79.4	80.7	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1800	19.0	69.2	76.6	80.2	81.6	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 1500	19.5	73.3	81.6	85.2	86.7	86.9	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1200	20.0	76.5	85.2	89.2	91.0	91.2	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	20.8	78.4	87.4	91.4	93.9	94.2	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 900	20.8	78.9	88.3	92.5	95.1	95.4	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	20.8	78.9	88.5	92.8	95.6	95.9	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	21.0	79.1	88.9	93.2	95.9	96.3	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	21.1	79.5	89.5	94.1	96.9	97.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 500	21.1	79.6	89.7	94.3	97.4	97.9	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
IV 400	21.1	79.6	89.7	94.4	97.7	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	21.1	79.6	89.7	94.4	97.7	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	21.1	79.6	89.7	94.4	97.7	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	21.1	79.6	89.7	94.4	97.7	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	21.1	79.6	89.7	94.4	97.7	98.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	17.4	46.5	48.5	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	20.0	54.4	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	20.0	54.4	57.2	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IVN 14000	20.7	56.3	59.0	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IVN 12000	22.1	59.3	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IVN 10000	23.3	63.7	66.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IVN 9000	24.0	64.7	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IVN 8000	24.6	69.0	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IVN 7000	25.1	70.0	73.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IVN 6000	25.7	70.6	74.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IVN 5000	25.8	70.9	74.2	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IVN 4500	25.8	71.4	74.7	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IVN 4000	26.2	73.8	77.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IVN 3500	27.0	77.4	81.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IVN 3000	28.9	82.3	85.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IVN 2500	29.9	84.7	88.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IVN 2000	31.0	87.7	91.8	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IVN 1800	31.0	88.4	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVN 1500	31.2	89.8	93.8	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IVN 1200	31.6	90.6	94.3	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVN 1000	31.7	90.8	94.9	96.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IVN 900	32.0	91.0	95.4	96.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IVN 800	32.1	91.8	96.8	97.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IVN 700	32.1	91.4	95.8	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IVN 600	32.1	91.4	95.8	97.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IVN 500	32.1	91.8	96.0	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVN 400	32.1	91.8	96.0	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVN 300	32.1	91.8	96.0	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVN 200	32.1	91.8	96.0	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVN 100	32.1	91.8	96.0	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IVN 0	32.1	91.8	96.0	97.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING ≥ 20000	21.2	49.8	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	26.7	60.4	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 16000	26.9	60.5	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 14000	27.0	62.0	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 12000	28.1	65.5	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 10000	29.6	70.4	72.5	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 9000	30.0	71.3	73.5	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000	30.4	77.2	79.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 7000	30.8	78.0	80.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 6000	30.9	78.5	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 5000	31.1	79.5	82.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500	31.4	80.1	82.8	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 4000	32.2	81.8	84.5	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500	32.8	83.3	86.1	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	33.8	86.4	89.7	90.7	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2500	34.8	88.4	91.5	92.7	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	35.0	89.2	92.4	93.9	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1800	35.0	89.4	92.7	94.1	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	35.4	90.0	93.3	94.7	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	35.6	90.6	94.1	95.5	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	35.8	91.2	94.7	96.2	97.0	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	35.9	91.6	95.0	96.5	97.4	97.5	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	35.9	91.7	95.2	96.7	97.8	98.0	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	35.9	91.7	95.2	96.7	97.8	98.0	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	35.9	91.8	95.4	96.9	98.0	98.5	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	35.9	91.8	95.7	97.3	98.5	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	35.9	91.8	95.7	97.3	98.5	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	35.9	91.8	95.7	97.3	98.5	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	35.9	91.8	95.7	97.3	98.5	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	35.9	91.8	95.7	97.3	98.5	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	35.9	91.8	95.7	97.3	98.5	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 808

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265 MAXWELL AFB AL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	17.1	51.5	54.5	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	20.6	61.2	64.5	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 18000	20.6	61.3	64.6	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 16000	20.6	61.3	64.6	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 14000	20.6	62.2	65.5	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 12000	22.5	66.3	69.7	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 10000	23.6	71.1	75.2	76.0	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	24.0	72.3	76.5	77.4	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 8000	24.6	76.8	81.0	82.1	82.4	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 7000	25.2	77.5	81.7	82.8	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 6000	25.6	78.5	82.7	83.8	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	26.1	79.8	83.8	84.9	85.3	85.3	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 4500	26.3	80.1	84.3	85.4	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000	26.7	80.8	85.0	86.2	86.5	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3500	27.4	82.6	86.8	88.0	88.4	88.4	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	27.7	84.2	88.5	89.7	90.2	90.2	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2500	27.8	85.0	89.4	90.6	91.1	91.1	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	27.9	86.7	91.2	92.8	93.3	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	27.9	86.9	91.5	93.1	93.7	93.7	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	28.3	87.8	92.3	93.9	94.6	94.6	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200	28.4	88.3	93.0	94.7	95.3	95.3	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	28.4	88.4	93.4	95.3	95.9	95.9	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	28.4	88.8	93.7	95.7	96.3	96.3	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 800	28.4	88.8	93.9	95.9	96.5	96.5	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 700	28.4	88.9	94.1	96.0	96.8	96.8	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 600	28.4	89.2	94.4	96.9	97.7	97.7	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	28.7	89.4	94.8	97.2	98.4	98.4	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	28.7	89.4	94.8	97.2	98.4	98.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	28.7	89.4	94.8	97.2	98.4	98.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	28.7	89.4	94.8	97.2	98.4	98.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	28.7	89.4	94.8	97.2	98.4	98.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	28.7	89.4	94.8	97.2	98.4	98.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	18.0	57.9	61.4	61.4	62.1	62.1	62.1	62.1	62.1	62.1	62.3	62.3	62.3	62.3	62.3
≥ 20000	20.2	66.4	70.2	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.3	71.3
≥ 18000	20.2	66.4	70.2	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.3	71.3
≥ 16000	20.2	66.4	70.4	70.4	71.3	71.3	71.3	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5
≥ 14000	20.2	67.1	71.3	71.5	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.4	72.4
≥ 12000	21.1	69.9	74.1	74.3	75.0	75.0	75.0	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2
≥ 10000	21.7	74.3	78.9	79.0	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5
≥ 9000	21.9	75.4	80.0	80.1	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6
≥ 8000	22.8	78.5	83.1	83.6	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1
≥ 7000	22.8	78.5	83.1	83.6	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1
≥ 6000	23.2	79.2	83.8	84.4	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8
≥ 5000	23.9	80.7	85.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5
≥ 4500	23.9	81.1	85.7	86.4	87.7	87.7	87.7	87.7	87.7	87.7	87.9	87.9	87.9	87.9	87.9
≥ 4000	24.3	81.6	86.2	86.9	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4	88.4	88.4
≥ 3500	24.3	82.7	87.5	88.4	89.9	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.3	90.3
≥ 3000	24.6	83.3	88.1	89.0	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6
≥ 2500	24.8	84.0	88.8	89.7	91.2	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5
≥ 2000	24.8	85.3	90.4	91.5	93.0	93.2	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4
≥ 1800	24.8	85.3	90.6	91.7	93.2	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6
≥ 1500	25.2	85.7	91.4	92.5	94.3	94.5	94.5	94.5	94.5	94.5	94.9	94.9	94.9	94.9	94.9
≥ 1200	25.2	86.0	91.7	92.8	94.7	94.9	94.9	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4
≥ 1000	25.2	87.3	93.0	94.1	96.0	96.1	96.1	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7
≥ 900	25.2	87.7	93.6	94.7	96.9	97.1	97.1	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6
≥ 800	25.2	88.2	94.1	95.2	97.6	97.8	98.0	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5
≥ 700	25.2	88.2	94.1	95.2	97.6	97.8	98.0	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5
≥ 600	25.2	88.2	94.3	95.4	97.8	98.0	98.3	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9
≥ 500	25.6	88.6	94.7	96.0	98.5	98.7	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
≥ 400	25.6	88.6	94.7	96.0	98.5	98.7	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
≥ 300	25.6	88.6	94.7	96.0	98.5	98.7	99.1	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8
≥ 200	25.6	88.6	94.7	96.0	98.5	98.7	99.1	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8
≥ 100	25.6	88.6	94.7	96.0	98.5	98.7	99.1	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8
≥ 0	25.6	88.6	94.7	96.0	98.5	98.7	99.1	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 544

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	14.5	45.0	48.3	50.1	51.1	51.5	51.8	52.1	52.1	52.2	52.3	52.3	52.4	52.4	52.4	52.4
≥ 20000	17.2	52.2	55.8	57.8	58.9	59.3	59.7	60.0	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.3
18000	17.3	52.3	56.0	58.0	59.1	59.5	59.9	60.2	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.5
16000	17.3	52.6	56.3	58.3	59.4	59.8	60.2	60.5	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8
14000	17.5	53.4	57.3	59.3	60.5	60.9	61.3	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9
12000	18.4	56.2	60.2	62.3	63.5	63.9	64.3	64.6	64.7	64.8	64.8	64.9	64.9	64.9	64.9	65.0
10000	19.2	60.0	64.5	66.9	68.2	68.7	69.2	69.5	69.6	69.8	69.8	69.8	69.9	69.9	69.9	70.0
9000	19.6	60.9	65.4	67.8	69.2	69.7	70.2	70.6	70.6	70.8	70.8	70.9	70.9	70.9	70.9	71.0
8000	20.0	64.5	69.5	72.1	73.5	74.1	74.6	75.0	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.5
7000	20.3	64.9	70.1	72.6	74.1	74.7	75.2	75.6	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.1
6000	20.5	65.6	70.9	73.5	75.0	75.6	76.1	76.5	76.6	76.8	76.8	76.8	76.9	76.9	76.9	77.0
5000	20.8	66.3	71.7	74.3	75.8	76.4	76.9	77.3	77.4	77.6	77.6	77.7	77.7	77.8	77.8	77.9
4500	20.9	66.7	72.2	74.9	76.4	77.0	77.5	77.9	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.4
4000	21.2	67.8	73.5	76.2	77.7	78.3	78.8	79.2	79.3	79.5	79.5	79.6	79.7	79.7	79.7	79.8
3500	21.7	69.4	75.1	77.9	79.5	80.2	80.7	81.1	81.2	81.4	81.4	81.5	81.6	81.6	81.6	81.6
3000	22.4	71.6	77.4	80.3	82.0	82.7	83.3	83.7	83.8	84.0	84.0	84.0	84.1	84.1	84.1	84.2
2500	23.0	73.3	79.2	82.2	83.9	84.6	85.2	85.6	85.7	85.9	85.9	85.9	86.0	86.1	86.1	86.1
2000	23.5	75.2	81.3	84.4	86.2	86.9	87.5	87.9	88.0	88.2	88.2	88.2	88.3	88.4	88.4	88.4
1800	23.7	75.6	81.8	84.9	86.8	87.4	88.1	88.5	88.6	88.8	88.8	88.8	88.9	89.0	89.0	89.0
1500	24.0	77.5	83.8	87.0	89.0	89.6	90.4	90.8	90.9	91.1	91.1	91.1	91.2	91.3	91.3	91.3
1200	24.3	78.6	85.2	88.5	90.6	91.3	92.1	92.6	92.7	92.8	92.9	92.9	93.0	93.0	93.0	93.1
1000	24.5	79.3	86.5	90.0	92.2	92.9	93.7	94.3	94.4	94.6	94.6	94.6	94.7	94.8	94.8	94.8
900	24.6	80.2	87.1	90.7	93.0	93.7	94.6	95.2	95.4	95.5	95.6	95.6	95.7	95.8	95.8	95.8
800	24.7	80.8	87.5	91.3	93.7	94.4	95.3	95.9	96.1	96.2	96.3	96.4	96.5	96.5	96.5	96.5
700	24.7	80.6	87.1	91.5	94.0	94.8	95.8	96.4	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.1
600	24.7	80.8	88.1	91.9	94.4	95.5	96.5	97.2	97.4	97.6	97.6	97.7	97.8	97.8	97.8	97.9
500	24.8	81.0	88.5	92.5	95.5	96.4	97.5	98.2	98.5	98.7	98.7	98.8	98.9	98.9	98.9	99.0
400	24.8	81.0	88.5	92.6	95.6	96.6	97.8	98.7	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.5
300	24.8	81.0	88.5	92.6	95.6	96.6	97.8	98.8	99.1	99.3	99.4	99.4	99.6	99.7	99.7	99.8
200	24.8	81.0	88.5	92.6	95.6	96.6	97.8	98.8	99.1	99.3	99.4	99.4	99.7	99.7	99.8	100.0
100	24.8	81.0	88.5	92.6	95.6	96.6	97.8	98.8	99.1	99.3	99.4	99.4	99.7	99.7	99.8	100.0
0	24.8	81.0	88.5	92.6	95.6	96.6	97.8	98.8	99.1	99.3	99.4	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 8718



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	23.5	58.4	65.5	68.1	68.1	69.9	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	72.6
≥ 20000	24.8	62.8	69.9	72.6	72.6	74.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	77.0
≥ 18000	24.8	62.8	69.9	72.6	72.6	74.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	77.0
≥ 16000	24.8	62.8	69.9	72.6	72.6	74.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	77.0
≥ 14000	24.8	62.8	69.9	72.6	72.6	74.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	77.0
≥ 12000	24.8	63.7	70.8	73.5	73.5	75.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.9
≥ 10000	24.8	65.5	72.6	75.2	75.2	77.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.6
≥ 9000	24.8	66.4	73.5	76.1	76.1	77.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.5
≥ 8000	24.8	66.4	73.5	76.1	76.1	77.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.5
≥ 7000	24.8	66.4	73.5	76.1	76.1	77.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.5
≥ 6000	24.8	67.3	74.3	77.0	77.0	78.8	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	81.4
≥ 5000	24.8	69.0	76.1	78.8	78.8	80.5	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	83.2
≥ 4500	24.8	69.9	77.0	80.5	80.5	82.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	85.0
≥ 4000	24.8	70.8	77.9	81.4	81.4	83.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.8
≥ 3500	24.8	70.8	77.9	81.4	81.4	83.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.8
≥ 3000	24.8	71.7	78.8	82.3	82.3	84.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.7
≥ 2500	25.7	73.5	81.4	85.0	85.0	86.7	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	89.4
≥ 2000	26.5	75.2	84.1	87.6	87.6	90.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.9
≥ 1800	26.5	75.2	84.1	87.6	87.6	90.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.9
≥ 1500	26.5	76.1	85.0	88.5	88.5	91.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.8
≥ 1200	26.5	77.0	85.8	89.4	89.4	92.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.7
≥ 1000	26.5	77.9	86.7	90.3	91.2	93.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	96.5
≥ 900	26.5	78.8	87.6	91.2	92.0	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.3
≥ 800	26.5	78.8	87.6	91.2	92.0	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.3
≥ 700	26.5	78.8	87.6	91.2	92.0	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.3
≥ 600	26.5	78.8	87.6	91.2	92.0	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.3
≥ 500	26.5	78.8	87.6	91.2	92.9	95.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.2
≥ 400	26.5	78.8	87.6	91.2	92.9	95.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.2
≥ 300	26.5	78.8	87.6	91.2	92.9	95.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.2
≥ 200	26.5	78.8	87.6	91.2	92.9	95.6	97.3	97.3	97.3	97.3	98.2	98.2	98.2	98.2	98.2	99.1
≥ 100	26.5	78.8	87.6	91.2	92.9	95.6	97.3	97.3	97.3	97.3	98.2	98.2	98.2	98.2	99.1	100.0
≥ 0	26.5	78.8	87.6	91.2	92.9	95.6	97.3	97.3	97.3	97.3	98.2	98.2	98.2	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 113

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥	≥0
NO CEILING	16.4	47.2	53.2	56.4	60.9	63.1	65.0	66.6	66.9	67.4	67.7	67.7	68.5	68.5	68.5	68.6
≥ 20000	16.7	49.5	55.9	59.3	63.8	66.1	68.5	70.0	70.3	70.8	71.1	71.1	72.0	72.0	72.0	72.1
≥ 18000	17.0	49.9	56.2	59.8	64.4	66.7	69.1	70.7	70.9	71.4	71.8	71.8	72.6	72.6	72.6	72.7
≥ 16000	17.0	49.9	56.2	59.8	64.4	66.7	69.1	70.7	70.9	71.4	71.8	71.8	72.6	72.6	72.6	72.7
≥ 14000	17.1	50.0	56.4	59.9	64.5	66.9	69.2	70.8	71.0	71.5	71.9	71.9	72.7	72.7	72.7	72.9
≥ 12000	17.2	50.7	57.2	60.8	65.4	67.7	70.0	71.6	71.9	72.4	72.7	72.7	73.6	73.6	73.6	73.7
≥ 10000	17.5	52.0	58.4	62.1	66.9	69.2	71.5	73.1	73.3	73.8	74.2	74.2	75.1	75.1	75.1	75.2
≥ 9000	17.5	52.2	59.0	62.7	67.5	69.8	72.1	73.7	74.0	74.4	74.8	74.8	75.7	75.7	75.7	75.8
≥ 8000	17.8	53.9	60.9	64.5	69.6	72.0	74.3	76.0	76.3	76.8	77.1	77.1	78.0	78.0	78.0	78.1
≥ 7000	18.0	54.0	61.0	64.7	69.7	72.1	74.4	76.2	76.4	76.9	77.3	77.3	78.1	78.1	78.1	78.2
≥ 6000	18.2	55.1	62.1	65.9	71.1	73.6	75.9	77.8	78.0	78.5	78.9	78.9	79.7	79.7	79.7	79.8
≥ 5000	18.5	56.0	63.1	66.9	72.1	74.6	76.9	78.7	79.0	79.5	79.8	79.8	80.7	80.7	80.7	80.8
≥ 4500	18.5	56.1	63.4	67.2	72.9	74.9	77.5	79.3	79.6	80.1	80.4	80.4	81.3	81.3	81.3	81.4
≥ 4000	18.5	56.4	63.9	67.7	73.0	75.4	78.1	80.0	80.2	80.7	81.1	81.1	81.9	81.9	81.9	82.0
≥ 3500	18.5	57.0	64.3	68.1	73.3	75.9	78.5	80.4	80.7	81.2	81.5	81.5	82.4	82.4	82.4	82.5
≥ 3000	18.6	57.5	64.8	68.6	73.8	76.4	79.1	81.1	81.3	81.8	82.2	82.2	83.1	83.1	83.1	83.3
≥ 2500	18.6	58.2	65.9	69.8	75.2	77.8	80.4	82.4	82.6	83.1	83.5	83.5	84.5	84.5	84.5	84.6
≥ 2000	18.9	59.2	67.1	71.1	76.8	79.5	82.2	84.1	84.4	84.8	85.2	85.2	86.2	86.2	86.2	86.3
≥ 1800	18.9	59.7	67.6	71.6	77.3	80.0	82.6	84.6	84.8	85.3	85.7	85.7	86.7	86.7	86.7	86.8
≥ 1500	19.1	60.4	68.9	73.2	79.1	81.8	84.5	86.4	86.7	87.2	87.5	87.5	88.5	88.5	88.5	88.6
≥ 1200	19.3	62.1	70.8	75.2	81.1	83.7	86.6	88.5	88.8	89.2	89.6	89.6	90.6	90.6	90.6	90.7
≥ 1000	19.3	62.8	71.8	76.2	82.2	84.8	87.7	89.6	89.9	90.3	90.7	90.7	91.7	91.7	91.7	91.8
≥ 900	19.4	63.6	72.6	77.0	83.0	85.7	88.5	90.5	90.7	91.2	91.6	91.6	92.5	92.5	92.5	92.7
≥ 800	19.6	64.2	73.5	78.3	84.4	87.0	90.0	92.1	92.3	92.8	93.2	93.2	94.1	94.1	94.1	94.3
≥ 700	19.9	64.8	74.1	79.1	85.1	87.9	90.8	92.9	93.2	93.6	94.0	94.0	95.0	95.0	95.0	95.1
≥ 600	20.0	65.0	74.7	80.0	86.1	88.9	91.9	94.1	94.3	94.9	95.2	95.2	96.3	96.3	96.3	96.5
≥ 500	20.0	65.6	75.3	80.4	86.7	89.6	92.8	95.0	95.2	95.7	96.1	96.1	97.2	97.2	97.2	97.3
≥ 400	20.0	65.4	75.3	80.4	86.9	89.7	93.3	95.5	95.8	96.3	96.8	96.8	98.0	98.0	98.0	98.2
≥ 300	20.0	65.6	75.4	80.7	87.0	89.8	93.4	95.7	96.2	96.7	97.2	97.2	98.5	98.5	98.5	98.8
≥ 200	20.0	65.4	75.4	80.7	87.0	89.8	93.4	95.7	96.2	96.8	97.5	97.7	99.0	99.0	99.0	99.3
≥ 100	20.0	65.4	75.4	80.7	87.0	89.8	93.4	95.7	96.2	96.9	97.7	97.8	99.3	99.4	99.4	99.9
≥ 0	20.0	65.4	75.4	80.7	87.0	89.8	93.4	95.7	96.2	96.9	97.7	97.8	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	24.3	63.5	66.7	68.1	68.6	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 20000	25.7	67.0	70.3	71.8	72.5	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000	25.8	67.4	70.6	72.2	72.9	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 16000	25.9	67.7	71.0	72.5	73.3	73.6	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	25.9	67.7	71.0	72.5	73.3	73.6	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	26.1	69.3	72.3	73.9	74.6	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 10000	26.1	71.8	74.7	76.3	77.0	77.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	26.3	72.8	76.3	77.8	78.5	78.9	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 7000	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 6000	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3500	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3000	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2000	26.3	73.3	76.6	78.2	78.9	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1800	27.1	80.9	84.7	86.3	87.3	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	27.1	80.9	84.7	86.3	87.3	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	27.1	80.9	84.7	86.3	87.3	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1000	27.1	80.9	84.7	86.3	87.3	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 900	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 500	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 400	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 300	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 200	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 100	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 0	28.1	85.3	89.9	92.1	93.5	94.4	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1

TOTAL NUMBER OF OBSERVATIONS 133

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

067

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING	39.7	69.2	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 20000	41.6	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 18000	41.7	76.3	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 16000	41.8	76.4	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 14000	42.1	76.9	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 12000	42.2	77.5	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000	42.4	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 9000	42.5	80.9	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 8000	42.7	82.8	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 7000	42.7	83.9	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6000	42.9	84.6	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 5000	43.4	85.9	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500	43.4	86.7	87.1	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4000	43.4	87.3	87.7	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500	43.5	88.2	88.6	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000	43.6	88.9	89.3	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	44.2	90.5	91.2	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	44.4	91.0	91.7	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	44.5	92.2	93.0	93.5	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	45.0	93.8	94.7	95.4	95.8	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	45.0	95.0	96.3	97.4	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	45.0	95.4	96.8	98.0	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	45.0	95.6	96.9	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	45.0	95.6	97.1	98.3	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	45.0	95.6	97.1	98.3	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	45.0	95.6	97.1	98.3	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	45.0	95.6	97.1	98.4	99.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	45.0	95.6	97.1	98.4	99.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	45.0	95.6	97.1	98.4	99.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	45.0	95.6	97.1	98.4	99.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	45.0	95.6	97.1	98.4	99.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	45.0	95.6	97.1	98.4	99.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	45.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 20000	48.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 18000	48.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 16000	48.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 14000	48.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 12000	49.3	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 10000	50.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 9000	50.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 8000	50.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 7000	50.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 6000	51.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 5000	51.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4500	51.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	51.4	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3500	51.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3000	51.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	51.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2000	52.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	52.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1500	52.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1200	52.2	96.2	97.0	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	52.2	96.8	97.7	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	52.2	96.9	97.8	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	52.2	96.9	97.8	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	52.2	96.9	97.8	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	52.2	97.0	98.0	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	52.2	97.2	98.6	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	52.2	97.2	98.6	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	52.2	97.2	98.6	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	52.2	97.2	98.6	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	52.2	97.2	98.6	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	52.2	97.2	98.6	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 374

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	42.4	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 20000	44.2	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 18000	44.2	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 16000	44.2	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 14000	44.6	78.9	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 12000	45.2	79.6	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 10000	45.8	81.3	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 9000	45.8	82.1	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 8000	45.9	83.7	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 7000	45.9	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 6000	46.0	85.0	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 5000	46.0	85.9	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	46.0	86.7	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 4000	46.2	87.3	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3500	46.3	88.5	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3000	46.6	89.7	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 2500	47.2	91.0	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	47.2	92.4	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1800	47.2	93.3	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	47.2	94.4	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	47.2	94.7	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1000	47.2	95.9	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	47.2	96.2	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	47.2	96.2	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	47.2	96.2	97.5	98.1	98.1	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	47.2	96.4	97.7	98.1	98.1	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	47.2	96.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	47.2	96.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	47.2	96.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	47.2	96.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100	47.2	96.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0	47.2	96.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 436

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

061

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET.	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	40.3	73.1	73.9	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 20000	41.8	77.6	78.5	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 18000	41.8	77.6	78.5	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 16000	41.8	77.6	78.5	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 14000	41.8	77.6	78.5	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 12000	42.4	79.0	80.0	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 10000	42.9	80.7	81.7	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 9000	42.9	80.7	81.7	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 8000	43.2	81.4	82.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 7000	43.2	82.2	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	43.5	82.9	84.4	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 5000	43.7	83.0	85.5	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500	43.9	85.4	86.9	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	44.0	85.7	87.7	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 3500	44.0	86.4	87.9	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	44.4	88.2	89.9	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	44.4	89.2	90.9	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000	44.4	91.3	92.9	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	44.4	91.6	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1600	44.4	92.4	94.5	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1400	44.4	92.8	94.6	95.6	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	44.4	93.3	95.3	96.3	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	44.4	93.6	96.3	97.3	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	44.4	94.1	97.0	98.0	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	44.4	94.5	97.5	98.5	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	44.4	94.6	97.6	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	44.4	94.6	97.6	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	44.4	94.6	97.6	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	44.4	94.6	97.6	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	44.4	94.6	97.6	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	44.4	94.6	97.6	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	44.4	94.6	97.6	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	44.4	94.6	97.6	98.6	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 585

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	34.3	65.3	67.2	68.1	68.9	69.4	69.8	70.1	70.1	70.2	70.3	70.3	70.4	70.4	70.4	70.4
≥ 20000	35.9	70.8	72.8	73.8	74.7	75.2	75.7	75.9	76.0	76.1	76.1	76.1	76.3	76.3	76.3	76.3
≥ 18000	36.0	71.0	73.0	74.0	75.0	75.4	75.9	76.2	76.2	76.3	76.4	76.4	76.5	76.5	76.5	76.6
≥ 16000	36.1	71.1	73.1	74.1	75.0	75.5	76.0	76.3	76.3	76.4	76.5	76.5	76.6	76.6	76.6	76.7
≥ 14000	36.2	71.3	73.3	74.3	75.2	75.7	76.2	76.5	76.5	76.6	76.7	76.7	76.8	76.8	76.8	76.9
≥ 12000	36.5	72.3	74.3	75.4	76.3	76.8	77.3	77.5	77.6	77.7	77.7	77.7	77.9	77.9	77.9	77.9
≥ 10000	37.0	74.2	76.3	77.3	78.3	78.8	79.2	79.5	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.9
≥ 9000	37.0	74.6	76.7	77.8	78.7	79.2	79.7	80.0	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.4
≥ 8000	37.2	76.1	78.3	79.5	80.4	81.0	81.4	81.7	81.8	81.9	81.9	81.9	82.1	82.1	82.1	82.1
≥ 7000	37.2	76.5	78.7	79.8	80.8	81.3	81.8	82.1	82.2	82.3	82.3	82.3	82.5	82.5	82.5	82.5
≥ 6000	37.4	77.5	79.8	81.0	82.0	82.5	83.0	83.3	83.4	83.4	83.5	83.5	83.7	83.7	83.7	83.7
≥ 5000	37.6	78.3	80.7	81.8	82.9	83.4	83.9	84.2	84.3	84.3	84.4	84.4	84.5	84.5	84.5	84.6
≥ 4500	37.7	79.0	81.5	82.7	83.7	84.2	84.7	85.1	85.1	85.2	85.3	85.3	85.4	85.4	85.4	85.4
≥ 4000	37.8	79.7	82.2	83.4	84.4	85.0	85.5	85.8	85.9	86.0	86.0	86.0	86.2	86.2	86.2	86.2
≥ 3500	37.8	80.4	82.9	84.1	85.1	85.7	86.2	86.6	86.6	86.7	86.7	86.7	86.9	86.9	86.9	86.9
≥ 3000	38.0	81.5	84.0	85.3	86.3	86.8	87.4	87.7	87.8	87.9	87.9	87.9	88.1	88.1	88.1	88.1
≥ 2500	38.2	82.6	85.2	86.4	87.5	88.1	88.6	89.0	89.0	89.1	89.1	89.1	89.3	89.3	89.3	89.3
≥ 2000	38.5	84.0	86.8	88.1	89.2	89.8	90.4	90.7	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.2
≥ 1800	38.5	84.6	87.4	88.7	89.9	90.4	91.0	91.4	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.8
≥ 1500	38.6	85.7	88.8	90.2	91.4	91.9	92.5	92.9	93.0	93.1	93.1	93.1	93.3	93.3	93.3	93.3
≥ 1200	38.7	86.7	89.8	91.3	92.6	93.3	94.0	94.4	94.5	94.6	94.6	94.6	94.8	94.8	94.8	94.8
≥ 1000	38.8	87.6	91.0	92.5	93.9	94.6	95.4	95.7	95.8	95.9	95.9	95.9	96.1	96.1	96.1	96.2
≥ 900	38.9	88.0	91.5	93.1	94.5	95.2	95.9	96.3	96.4	96.5	96.5	96.5	96.7	96.7	96.7	96.7
≥ 800	38.9	88.3	91.9	93.7	95.2	95.9	96.7	97.1	97.2	97.3	97.3	97.3	97.5	97.5	97.5	97.5
≥ 700	38.9	88.6	92.4	94.2	95.7	96.5	97.3	97.7	97.8	97.8	97.9	97.9	98.1	98.1	98.1	98.1
≥ 600	39.0	88.8	92.7	94.6	96.3	97.0	97.9	98.4	98.4	98.5	98.6	98.6	98.8	98.8	98.8	98.8
≥ 500	39.0	89.0	93.0	94.9	96.6	97.3	98.4	98.8	98.9	99.0	99.1	99.1	99.3	99.3	99.3	99.3
≥ 400	39.0	89.1	93.1	95.0	96.8	97.6	98.6	99.1	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6
≥ 300	39.0	89.1	93.1	95.1	96.8	97.6	98.6	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	99.7
≥ 200	39.0	89.1	93.1	95.1	96.8	97.6	98.6	99.1	99.2	99.3	99.4	99.4	99.8	99.8	99.8	99.8
≥ 100	39.0	89.2	93.1	95.1	96.8	97.6	98.6	99.1	99.2	99.3	99.4	99.4	99.8	99.8	99.8	99.8
≥ 0	39.0	89.1	93.1	95.1	96.8	97.6	98.6	99.1	99.2	99.3	99.4	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 8863



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	11.8	36.6	40.8	42.9	45.1	47.5	48.9	50.2	50.4	50.5	50.7	50.7	51.0	51.0	51.1	52.2
≥ 20000	12.4	41.2	46.0	48.8	51.0	53.8	55.7	56.1	56.2	56.8	56.5	56.5	56.8	56.8	57.0	58.0
≥ 18000	12.4	41.5	46.3	48.9	51.3	53.7	55.0	56.4	56.5	56.7	56.8	56.8	57.1	57.1	57.3	58.3
≥ 16000	12.4	41.5	46.3	48.9	51.3	53.7	55.0	56.4	56.5	56.7	56.8	56.8	57.1	57.1	57.3	58.3
≥ 14000	12.4	41.5	46.3	48.9	51.3	53.7	55.0	56.4	56.5	56.7	56.8	56.8	57.1	57.1	57.3	58.3
≥ 12000	12.4	41.5	46.3	48.9	51.3	53.7	55.0	56.4	56.5	56.7	56.8	56.8	57.1	57.1	57.3	58.3
≥ 10000	12.4	43.9	49.0	51.9	54.3	56.7	58.3	59.7	59.8	60.0	60.1	60.1	60.4	60.4	60.6	61.6
≥ 9000	12.4	43.9	49.0	51.9	54.3	56.7	58.3	59.7	59.8	60.0	60.1	60.1	60.4	60.4	60.6	61.6
≥ 8000	12.7	47.8	52.9	55.9	58.3	60.7	62.5	63.9	64.0	64.2	64.3	64.3	64.6	64.6	64.8	65.8
≥ 7000	12.7	48.4	53.8	56.8	59.2	61.6	63.9	65.8	66.9	67.1	67.2	67.2	67.5	67.5	67.7	68.7
≥ 6000	12.7	49.3	54.7	57.7	60.3	62.7	64.5	65.8	66.0	66.1	66.3	66.3	66.6	66.6	66.7	67.8
≥ 5000	12.7	50.2	55.9	59.1	61.8	64.2	66.0	67.3	67.5	67.6	67.8	67.8	68.1	68.1	68.2	69.3
≥ 4500	12.7	50.2	56.5	59.7	62.4	65.1	66.9	68.2	68.4	68.5	68.7	68.7	69.0	69.0	69.1	70.2
≥ 4000	13.0	51.8	58.2	61.6	64.3	67.0	68.8	70.2	70.3	70.5	70.6	70.6	70.9	70.9	71.1	72.1
≥ 3500	13.0	51.9	58.5	61.9	64.8	67.5	69.3	70.6	70.8	70.9	71.1	71.1	71.4	71.4	71.5	72.6
≥ 3000	13.2	52.3	59.1	62.5	65.5	68.2	70.0	71.4	71.5	71.7	71.8	71.8	72.1	72.1	72.3	73.3
≥ 2500	13.2	53.5	60.6	64.0	67.3	70.0	72.0	73.3	73.5	73.6	73.8	73.8	74.1	74.1	74.2	75.3
≥ 2000	13.3	55.3	62.8	66.6	69.7	72.8	74.5	76.0	76.2	76.3	76.5	76.5	76.8	76.8	76.9	78.0
≥ 1800	13.5	56.5	64.0	67.6	70.9	73.9	76.0	77.5	77.7	77.8	78.0	78.0	78.3	78.3	78.4	79.5
≥ 1500	13.6	58.5	66.3	70.2	73.9	76.5	78.7	80.2	80.4	80.8	81.0	81.0	81.3	81.3	81.8	82.5
≥ 1200	13.9	61.2	69.7	73.8	77.5	81.0	83.4	85.2	85.3	85.8	85.9	85.9	86.2	86.2	86.4	87.4
≥ 1000	14.1	61.5	70.5	74.5	78.8	81.9	84.3	86.1	86.8	86.8	87.0	87.0	87.3	87.3	87.8	88.5
≥ 900	14.4	62.5	71.2	75.4	79.3	82.9	85.3	87.4	87.7	88.2	88.3	88.3	88.6	88.6	88.8	89.8
≥ 800	14.4	62.8	71.7	75.5	79.5	83.5	86.1	88.3	88.8	89.4	89.5	89.5	89.8	89.8	90.0	91.0
≥ 700	14.5	63.4	72.4	76.6	81.0	84.6	87.3	89.5	90.0	90.6	90.7	90.7	91.0	91.0	91.2	92.2
≥ 600	14.5	64.3	73.8	78.0	82.6	86.8	89.3	91.3	91.8	92.4	92.5	92.5	92.8	92.8	93.0	94.0
≥ 500	14.5	64.6	74.2	78.5	83.9	87.3	90.4	92.8	93.3	93.9	94.0	94.0	94.3	94.3	94.5	95.7
≥ 400	14.5	64.8	74.4	79.2	84.3	87.5	91.5	93.3	93.8	94.4	94.5	94.5	94.8	94.8	95.0	96.2
≥ 300	14.5	64.8	74.4	79.2	84.3	87.5	91.5	93.3	93.8	94.4	94.5	94.5	94.8	94.8	95.0	96.2
≥ 200	14.5	64.8	74.4	79.2	84.3	87.5	91.5	93.3	93.8	94.4	94.5	94.5	94.8	94.8	95.0	96.2
≥ 100	14.5	64.8	74.4	79.2	84.3	87.5	91.5	93.3	93.8	94.4	94.5	94.5	94.8	94.8	95.0	96.2
≥ 0	14.5	64.8	74.4	79.2	84.3	87.5	91.5	93.3	93.8	94.4	94.5	94.5	94.8	94.8	95.0	96.2

TOTAL NUMBER OF OBSERVATIONS 667

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	20.2	49.8	51.6	52.2	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	22.2	56.9	59.0	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 18000	22.2	56.9	59.0	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	22.2	56.9	59.0	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 14000	22.2	56.9	59.0	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 12000	22.2	56.9	59.0	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 10000	22.5	59.5	61.7	62.6	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 9000	22.5	59.5	61.7	62.6	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 8000	22.7	62.5	64.7	65.7	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 7000	22.7	62.5	64.7	65.7	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 6000	22.8	63.7	66.0	67.2	67.8	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 5000	23.0	64.9	67.9	69.1	69.8	69.9	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 4500	23.0	64.9	67.9	69.1	69.8	69.9	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 4000	23.2	66.9	70.1	71.5	72.3	72.5	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	23.2	67.3	70.7	72.1	73.0	73.1	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3000	23.5	68.3	71.7	73.1	74.1	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	23.7	69.5	73.2	74.6	75.6	75.8	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 2000	24.6	73.2	77.3	78.6	80.0	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1800	24.6	74.0	78.1	79.5	81.0	81.4	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 1500	25.1	76.8	81.6	83.6	85.3	85.7	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	25.4	79.4	84.8	87.3	89.1	89.5	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1000	25.7	80.5	86.2	89.0	91.2	91.6	92.6	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
IV 900	25.7	81.4	87.4	90.4	92.6	93.1	94.1	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	25.7	82.0	88.3	91.2	93.5	94.0	94.9	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	25.7	82.6	89.4	92.5	94.7	95.2	96.2	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	25.7	82.7	89.4	92.7	94.9	95.4	96.4	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	25.7	82.7	89.4	92.8	95.3	95.8	96.9	97.5	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	25.7	83.0	89.9	93.3	96.0	96.5	97.8	98.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	25.7	83.0	89.9	93.3	96.0	96.5	97.8	98.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	25.7	83.0	89.9	93.3	96.0	96.5	97.8	98.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9
IV 100	25.7	83.0	89.9	93.3	96.0	96.5	97.8	98.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9
IV 0	25.7	83.0	89.9	93.3	96.0	96.5	97.8	98.4	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 810

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	32.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	35.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 18000	35.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 16000	35.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	35.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 12000	35.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 10000	35.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 9000	35.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	35.9	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 7000	35.6	72.3	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 6000	35.6	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 5000	36.0	73.8	73.9	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500	36.0	74.2	74.3	74.4	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	36.1	75.6	75.8	75.9	75.9	76.0	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 3500	36.1	76.9	77.0	77.1	77.1	77.3	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3000	37.0	79.9	79.9	79.7	79.7	79.9	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 2500	37.5	82.7	82.9	83.1	83.1	83.4	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2000	39.1	85.8	86.4	86.7	86.7	87.1	87.6	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3
IV 1800	39.1	86.9	87.6	88.0	88.0	88.5	89.1	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.7
IV 1500	39.8	89.1	90.5	91.0	91.0	91.7	92.3	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	93.0
IV 1200	40.3	91.0	92.5	93.1	93.1	93.8	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3
IV 1000	40.1	91.6	93.2	94.1	94.1	95.1	96.3	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.2
IV 900	40.3	92.3	93.7	94.6	94.8	95.7	96.9	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.8
IV 800	40.3	92.3	93.9	94.8	95.1	95.9	97.3	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.3
IV 700	40.3	92.8	94.6	95.4	95.7	96.5	98.0	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	99.0
IV 600	40.3	93.0	94.7	95.7	95.9	96.8	98.3	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.3
IV 500	40.3	93.1	94.9	95.9	96.2	97.0	98.5	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 400	40.3	93.2	95.1	96.0	96.3	97.2	98.6	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 300	40.3	93.2	95.1	96.0	96.3	97.2	98.6	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 200	40.3	93.2	95.1	96.0	96.3	97.2	98.6	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	40.3	93.2	95.1	96.0	96.3	97.2	98.6	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	40.3	93.2	95.1	96.0	96.3	97.2	98.6	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 819

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ .	≥ 0
NO CEILING	41.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	45.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 18000	45.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000	45.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 14000	45.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 12000	45.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 10000	45.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 9000	46.2	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 8000	46.7	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	46.7	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	46.7	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 5000	47.0	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4500	47.5	77.4	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9
IV 4000	48.0	80.4	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9
IV 3500	48.5	81.4	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2
IV 3000	48.8	83.0	83.3	83.6	83.7	83.7	83.7	83.7	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.1
IV 2500	48.9	85.7	86.2	86.5	87.2	87.2	87.2	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.7
IV 2000	49.0	87.9	88.6	89.1	89.9	89.9	89.9	90.0	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.5
IV 1800	49.3	88.5	89.4	90.0	90.7	90.7	90.7	90.9	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.4
IV 1500	49.6	89.5	91.0	91.7	92.5	92.5	92.7	92.8	93.0	93.2	93.5	93.5	93.5	93.5	93.5	93.6
IV 1200	50.0	90.9	92.5	93.2	94.0	94.0	94.2	94.4	94.6	94.8	95.2	95.2	95.2	95.2	95.2	95.3
IV 1000	50.0	91.2	93.1	94.0	94.8	94.9	95.3	95.6	95.7	95.9	96.3	96.3	96.3	96.3	96.3	96.4
IV 900	50.0	91.6	93.5	94.3	95.2	95.3	95.7	95.9	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.8
IV 800	50.0	91.7	93.6	94.7	95.6	95.8	96.4	96.8	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.7
IV 700	50.0	91.9	93.8	94.9	96.0	96.3	97.0	97.4	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.3
IV 600	50.0	92.0	94.0	95.1	96.8	97.0	97.8	98.1	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.1
IV 500	50.0	92.1	94.2	95.4	97.2	97.4	98.1	98.5	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.9
IV 400	50.0	92.1	94.2	95.4	97.2	97.4	98.1	98.5	98.9	99.1	99.8	99.8	99.8	99.8	99.8	99.9
IV 300	50.0	92.1	94.2	95.4	97.2	97.4	98.1	98.6	99.0	99.3	99.9	99.9	99.9	99.9	99.9	100.0
IV 200	50.0	92.1	94.2	95.4	97.2	97.4	98.1	98.6	99.0	99.3	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	50.0	92.1	94.2	95.4	97.2	97.4	98.1	98.6	99.0	99.3	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	50.0	92.1	94.2	95.4	97.2	97.4	98.1	98.6	99.0	99.3	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 110

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	41.4	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 20000	43.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 18000	43.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 16000	43.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 14000	44.0	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 12000	44.5	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 10000	44.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 9000	45.0	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 8000	46.0	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 7000	46.3	74.0	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 6000	46.3	74.5	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	46.6	76.1	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4500	46.7	77.5	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	47.1	78.9	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3500	47.3	80.0	80.8	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	47.6	81.7	82.7	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	48.1	84.5	85.8	86.8	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	48.3	87.0	88.3	89.2	90.0	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	48.6	88.1	89.4	90.5	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	48.8	89.5	90.9	92.0	92.7	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	48.9	90.2	91.6	92.7	93.4	93.4	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	49.1	90.9	92.5	93.7	94.9	94.9	95.4	95.5	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	49.1	91.0	92.7	94.3	95.1	95.1	95.6	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	49.1	91.5	93.4	95.3	96.2	96.2	96.8	97.3	97.3	97.3	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	49.1	91.7	93.7	95.7	96.9	96.9	97.2	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	49.1	92.0	94.1	96.2	97.0	97.0	97.8	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	49.1	92.1	94.2	96.4	97.4	97.4	98.3	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	49.1	92.3	94.4	96.7	97.7	97.7	98.8	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	49.1	92.3	94.4	96.7	97.7	97.7	98.9	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200	49.1	92.3	94.4	96.7	97.7	97.7	98.9	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	49.1	92.3	94.4	96.7	97.7	97.7	98.9	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0
0	49.1	92.3	94.4	96.7	97.7	97.7	98.9	99.4	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ .	≥ 0
NO CEILING ≥ 20000	40.2	63.3	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 18000	42.6	68.4	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 16000	42.6	68.5	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 14000	42.6	68.6	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 12000	43.5	69.8	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 10000	43.6	70.5	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 9000	43.6	70.7	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 8000	43.9	71.4	71.8	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 7000	43.9	72.1	72.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	43.9	72.7	73.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	44.4	73.8	74.4	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4500	44.4	74.8	75.4	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 4000	44.5	75.9	76.6	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	44.9	77.4	78.2	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3000	44.9	78.5	79.4	80.5	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2
IV 2500	45.1	82.4	83.4	84.8	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
IV 2000	45.9	84.9	85.9	87.6	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6
IV 1800	46.1	85.8	86.8	88.5	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5
IV 1500	46.2	87.9	88.9	90.6	91.1	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.0	92.0	92.1
IV 1200	46.6	89.1	90.1	91.8	92.3	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.3
IV 1000	46.6	89.4	90.4	92.1	92.6	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.9
IV 900	46.6	89.7	90.7	92.6	93.1	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.4
IV 800	46.8	90.9	92.0	93.9	94.4	94.9	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9	96.0
IV 700	46.8	91.0	92.1	94.1	94.7	95.2	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.5
IV 600	46.8	91.1	92.3	94.4	95.3	95.8	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.5
IV 500	46.8	91.4	93.0	95.1	95.9	96.4	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.3
IV 400	46.8	91.7	93.1	95.2	96.0	96.5	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.6
IV 300	46.8	91.7	93.1	95.2	96.2	96.7	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.9
IV 200	46.8	91.7	93.1	95.2	96.2	96.7	97.9	98.3	98.6	98.6	98.6	98.6	98.6	98.9	98.9	99.0
IV 100	46.8	91.7	93.1	95.2	96.2	96.7	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.1
IV 0	46.8	91.7	93.1	95.2	96.2	96.7	97.9	98.4	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.6

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	31.9	55.0	56.0	56.4	56.8	57.2	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.8
≥20000	34.2	61.7	62.3	62.9	63.3	63.6	63.8	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.2	64.3
≥18000	34.2	61.4	62.5	63.0	63.4	63.8	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.5
≥16000	34.2	61.4	62.5	63.0	63.4	63.8	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.5
≥14000	34.3	61.5	62.7	63.2	63.6	64.0	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.6
≥12000	34.6	62.5	63.6	64.2	64.6	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.7
≥10000	34.7	64.3	65.5	66.1	66.6	66.9	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.6
≥9000	34.9	64.7	65.9	66.5	66.9	67.3	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9	68.0
≥8000	35.2	67.5	68.8	69.5	70.0	70.3	70.6	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	71.1
≥7000	35.3	67.9	69.3	70.1	70.6	71.0	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.7
≥6000	35.3	68.6	70.0	70.8	71.3	71.7	72.0	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.5
≥5000	35.6	69.8	71.3	72.2	72.8	73.2	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	74.0
≥4500	35.7	70.4	72.2	73.1	73.7	74.1	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	75.0
≥4000	36.0	72.2	74.0	75.0	75.7	76.1	76.4	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	77.0
≥3500	36.3	73.1	75.0	76.0	76.7	77.2	77.5	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.1
≥3000	36.5	74.5	76.5	77.4	78.3	78.7	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.8
≥2500	36.8	77.1	79.3	80.5	81.4	81.9	82.4	82.7	82.7	82.8	82.8	82.8	82.8	82.9	82.9	83.1
≥2000	37.4	79.8	82.2	83.5	84.5	85.1	85.7	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.3	86.4
≥1800	37.6	80.7	83.2	84.5	85.6	86.2	86.8	87.1	87.2	87.3	87.3	87.3	87.3	87.4	87.4	87.6
≥1500	37.9	82.6	85.4	87.0	88.1	88.8	89.5	89.9	89.9	90.1	90.2	90.2	90.2	90.2	90.3	90.5
≥1200	38.2	84.3	87.4	89.1	90.3	91.0	91.8	92.3	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.8
≥1000	38.3	84.9	88.2	90.0	91.4	92.1	93.1	93.6	93.7	93.9	94.0	94.0	94.1	94.1	94.1	94.3
≥900	38.4	85.4	88.7	90.7	92.1	92.9	93.9	94.5	94.6	94.7	94.8	94.8	94.9	94.9	94.9	95.1
≥800	38.4	85.9	89.3	91.4	92.8	93.7	94.8	95.6	95.6	95.7	95.9	95.9	95.9	95.9	96.0	96.2
≥700	38.4	86.3	89.9	92.0	93.5	94.3	95.5	96.2	96.3	96.5	96.7	96.7	96.7	96.7	96.8	97.0
≥600	38.4	86.5	90.2	92.4	94.1	95.0	96.3	96.9	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.7
≥500	38.4	86.7	90.5	92.8	94.6	95.5	96.8	97.6	97.8	98.0	98.2	98.2	98.3	98.3	98.3	98.5
≥400	38.5	86.9	90.7	93.1	94.9	95.8	97.3	98.1	98.3	98.5	98.8	98.8	98.8	98.8	98.9	99.1
≥300	38.5	86.9	90.7	93.1	94.9	95.8	97.3	98.2	98.5	98.8	99.1	99.1	99.2	99.2	99.2	99.4
≥200	38.5	86.9	90.7	93.1	94.9	95.8	97.3	98.3	98.6	98.8	99.1	99.1	99.2	99.3	99.4	99.6
≥100	38.5	86.9	90.7	93.1	94.9	95.8	97.4	98.3	98.6	98.8	99.1	99.2	99.3	99.4	99.5	99.9
0	38.5	86.9	90.7	93.1	94.9	95.8	97.4	98.3	98.6	98.8	99.1	99.2	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 8723

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .4	≥ .4	≥ .4	≥ .4	≥ 0
NO CEILING	16.8	42.4	44.8	46.9	48.1	48.1	49.0	49.3	49.3	49.3	49.5	49.5	50.0	50.0	50.2	51.2
≥ 20000	18.2	47.1	49.7	52.1	53.3	53.3	54.1	54.5	54.5	54.5	54.6	54.6	55.2	55.2	55.3	56.4
IV 18000	18.2	47.3	49.8	52.2	53.4	53.4	54.3	54.6	54.6	54.6	54.8	54.8	55.3	55.3	55.5	56.5
IV 16000	18.2	47.3	49.8	52.2	53.4	53.4	54.3	54.6	54.6	54.6	54.8	54.8	55.3	55.3	55.5	56.5
IV 14000	18.2	47.4	50.0	52.4	53.6	53.6	54.6	55.0	55.0	55.0	55.2	55.2	55.7	55.7	55.8	56.9
IV 12000	18.4	48.8	51.4	54.0	55.2	55.2	56.2	56.5	56.5	56.5	56.7	56.7	57.2	57.2	57.4	58.4
IV 10000	19.1	50.5	53.1	55.7	56.9	56.9	57.9	58.2	58.2	58.2	58.4	58.4	58.9	58.9	59.1	60.1
IV 9000	19.1	50.5	53.1	55.7	56.9	56.9	57.9	58.2	58.2	58.2	58.4	58.4	58.9	58.9	59.1	60.1
IV 8000	19.4	52.6	55.2	57.7	59.1	59.1	60.1	60.5	60.5	60.5	60.7	60.7	61.2	61.2	61.3	62.4
IV 7000	19.6	54.1	56.7	59.3	60.8	60.8	61.9	62.2	62.2	62.2	62.4	62.4	62.9	62.9	63.1	64.1
IV 6000	19.6	54.6	57.2	59.8	61.3	61.3	62.4	62.9	62.9	62.9	63.1	63.1	63.6	63.6	63.7	64.8
IV 5000	20.4	56.7	58.8	61.3	62.9	62.9	63.9	64.4	64.4	64.4	64.6	64.6	65.1	65.1	65.3	66.3
IV 4500	20.6	56.4	58.9	61.3	63.1	63.2	64.4	64.9	64.9	64.9	65.1	65.1	65.6	65.6	65.8	66.8
IV 4000	21.0	57.4	60.1	62.7	64.3	64.4	65.4	66.2	66.2	66.2	66.3	66.3	66.8	66.8	67.0	68.0
IV 3500	21.3	59.5	62.0	64.6	66.2	66.3	67.5	68.0	68.0	68.0	68.2	68.2	68.7	68.7	68.9	69.9
IV 3000	22.5	62.5	65.1	67.7	69.2	69.4	70.4	71.1	71.1	71.1	71.3	71.3	71.8	71.8	72.0	73.0
IV 2500	23.0	65.1	67.9	70.4	72.0	72.2	73.5	74.1	74.1	74.1	74.2	74.2	74.7	74.7	74.9	75.9
IV 2000	24.1	67.4	70.1	72.7	74.2	74.4	75.9	76.5	76.5	76.5	76.6	76.6	77.1	77.1	77.3	78.4
IV 1800	24.2	68.4	71.1	73.7	75.4	75.6	77.1	77.7	77.7	77.7	77.8	77.8	78.4	78.4	78.5	79.6
IV 1500	24.6	70.4	73.7	76.5	78.4	78.7	80.4	80.9	80.9	80.9	81.1	81.1	81.6	81.6	81.8	82.8
IV 1200	24.7	71.5	75.1	78.0	79.9	80.4	82.1	82.6	82.6	82.6	82.8	82.8	83.3	83.3	83.5	84.5
IV 1000	24.7	71.5	75.1	78.5	80.8	81.3	83.0	83.5	83.5	83.5	83.7	83.7	84.2	84.2	84.4	85.4
IV 900	24.7	72.2	76.1	79.2	81.4	82.3	84.2	84.7	84.9	84.9	85.1	85.2	85.7	85.7	85.9	86.9
IV 800	24.7	74.1	78.4	81.4	84.7	85.4	87.5	88.0	88.1	88.1	88.3	88.5	89.0	89.0	89.2	90.2
IV 700	24.7	74.1	78.4	81.6	85.1	85.9	87.8	88.7	88.8	88.8	89.0	89.2	89.7	89.7	89.9	90.9
IV 600	24.7	74.1	79.4	82.4	86.9	88.0	90.0	90.9	91.1	91.1	91.2	91.4	91.9	91.9	92.1	93.1
IV 500	24.7	75.1	79.9	83.2	87.3	88.7	90.9	91.9	92.1	92.1	92.3	92.4	93.3	93.3	93.5	94.5
IV 400	24.7	75.1	79.9	83.3	87.5	89.0	91.2	92.3	92.3	92.3	92.4	92.6	93.8	93.8	94.0	95.0
IV 300	24.7	75.1	80.1	83.5	88.0	89.9	92.3	93.8	94.2	94.2	94.5	94.7	95.7	95.9	96.0	97.1
IV 200	24.7	75.1	80.1	83.5	88.0	89.9	92.4	93.8	94.5	94.5	94.8	95.0	96.4	96.4	96.6	97.7
IV 100	24.7	75.1	80.1	83.5	88.0	89.9	92.6	94.8	95.0	95.5	96.0	96.4	97.8	98.1	98.6	99.7
IV 0	24.7	75.1	80.1	83.5	88.0	89.9	92.6	94.8	95.0	95.5	96.0	96.4	97.8	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 582

USAF ETAC FORM 6-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	23.7	49.2	50.7	51.2	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.7	51.8
≥ 20000	26.2	54.7	56.3	56.8	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.4
≥ 18000	26.2	55.1	56.6	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8
≥ 16000	26.2	55.1	56.6	57.3	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.9
≥ 14000	26.2	55.5	57.2	57.7	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.3
≥ 12000	26.6	56.8	58.5	59.1	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.8
≥ 10000	27.3	59.8	61.6	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.9
≥ 9000	27.5	60.3	62.1	62.8	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4
≥ 8000	28.4	62.9	64.3	65.0	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.8
≥ 7000	28.5	63.2	65.0	65.6	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.4
≥ 6000	29.2	64.2	66.0	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.4
≥ 5000	29.5	65.4	67.2	68.0	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.8	68.9
≥ 4500	29.8	65.9	67.3	68.1	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	69.0
≥ 4000	30.7	67.7	69.5	70.6	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.5
≥ 3500	31.0	69.1	71.0	72.0	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.9
≥ 3000	31.3	71.2	73.0	74.3	74.7	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.3	75.3	75.3	75.4
≥ 2500	32.4	73.8	75.9	77.2	77.6	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.3	78.3	78.3	78.4
≥ 2000	33.5	76.0	78.1	79.4	79.8	80.1	80.3	80.5	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.9
≥ 1800	34.0	77.3	79.4	80.7	81.1	81.4	81.6	81.8	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.2
≥ 1500	34.6	79.9	82.3	83.7	84.1	84.4	84.6	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.2
≥ 1200	34.6	81.6	84.2	85.7	86.1	86.3	86.6	86.7	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.1
≥ 1000	34.6	82.2	85.0	86.5	87.0	87.2	87.5	87.6	87.8	87.8	87.8	87.8	87.9	87.9	87.9	88.0
≥ 900	34.6	83.5	86.4	88.2	88.7	88.9	89.2	89.6	89.7	89.7	89.7	89.7	89.8	89.8	89.8	90.0
≥ 800	34.6	84.9	88.3	89.8	90.4	90.6	91.1	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.9
≥ 700	34.6	85.5	89.3	91.1	91.8	92.1	92.7	93.1	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.5
≥ 600	34.6	85.9	90.0	91.8	92.8	93.1	93.8	94.3	94.4	94.5	94.5	94.5	94.7	94.7	94.7	94.8
≥ 500	34.6	86.3	90.4	92.6	94.0	94.5	95.2	95.7	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.4
≥ 400	34.6	86.6	90.8	93.1	95.1	95.7	96.6	97.4	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.2
≥ 300	34.6	86.8	90.8	93.1	95.1	95.7	96.7	97.7	98.2	98.6	98.7	98.7	98.8	99.0	99.0	99.1
≥ 200	34.6	86.6	90.8	93.1	95.1	95.7	97.0	97.9	98.4	98.8	99.0	99.0	99.1	99.6	99.7	100.0
≥ 100	34.6	86.6	90.8	93.1	95.1	95.7	97.0	97.9	98.4	98.8	99.0	99.0	99.1	99.6	99.7	100.0
≥ 0	34.6	86.6	90.8	93.1	95.1	95.7	97.0	97.9	98.4	98.8	99.0	99.0	99.1	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	35.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	39.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000	39.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 16000	39.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 14 10	39.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 120.0	40.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 10000	41.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000	41.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	41.6	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000	42.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 6000	42.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 5000	43.6	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	44.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	44.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	45.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3000	47.2	77.6	77.6	77.6	77.6	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	48.6	80.9	80.9	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000	49.2	83.9	83.9	84.4	84.6	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	49.5	85.2	85.2	85.9	86.0	86.1	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500	49.5	86.5	87.2	88.2	88.5	88.5	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	49.9	88.4	88.9	90.2	90.6	91.2	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	50.2	89.5	90.3	91.5	92.3	92.7	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	50.2	90.1	90.7	92.4	93.2	93.6	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 800	50.5	90.8	91.2	92.9	93.7	94.2	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700	50.5	90.8	91.5	93.3	94.2	94.6	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 600	50.5	90.8	92.0	93.9	95.0	95.3	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	50.5	91.2	92.3	94.2	95.0	95.8	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 400	50.5	91.2	92.5	94.3	95.8	96.7	97.6	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	50.5	91.5	92.6	94.6	96.1	97.0	97.9	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	50.5	91.5	92.6	94.6	96.1	97.0	97.9	98.7	98.8	99.3	99.5	99.5	99.5	99.6	99.7	99.9
≥ 100	50.5	91.5	92.6	94.6	96.1	97.0	97.9	98.7	98.8	99.3	99.5	99.5	99.5	99.6	99.7	99.9
≥ 0	50.5	91.5	92.6	94.6	96.1	97.0	97.9	98.7	98.8	99.3	99.5	99.5	99.5	99.6	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 745

USAF ETAC FORM 8-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	39.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	44.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 18000	44.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000	44.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 14000	45.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 12000	46.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 10000	47.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 9000	47.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 8000	48.0	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	48.1	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 6000	48.1	70.2	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 5000	48.7	71.5	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	49.3	72.5	72.9	72.9	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	50.0	74.5	74.9	74.9	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3500	50.8	76.1	76.5	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3000	52.9	80.2	80.8	80.9	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 2500	53.3	82.5	83.4	83.6	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	54.4	85.4	86.3	86.6	86.7	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1800	54.5	86.2	87.3	87.5	87.7	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1500	54.8	87.5	88.6	89.3	89.4	89.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1200	55.4	89.4	90.7	91.4	91.5	92.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000	55.6	90.3	91.6	92.3	92.7	93.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 900	55.6	90.7	92.2	92.8	93.2	93.9	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	55.6	90.8	92.4	93.1	93.6	94.3	95.9	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	55.6	91.1	92.7	93.4	94.0	94.7	96.4	96.8	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	55.6	91.2	92.8	93.5	94.2	94.8	96.7	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5
IV 500	55.6	91.4	93.0	93.8	94.4	95.5	97.5	98.0	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	55.6	91.6	93.5	94.3	95.1	96.2	98.1	98.8	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	55.6	91.6	93.5	94.3	95.1	96.2	98.4	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	55.6	91.6	93.5	94.3	95.1	96.2	98.4	99.1	99.1	99.2	99.6	99.6	99.9	99.9	99.9	99.9
IV 100	55.6	91.6	93.5	94.3	95.1	96.2	98.4	99.1	99.1	99.2	99.6	99.6	99.9	99.9	99.9	99.9
IV 0	55.6	91.6	93.6	94.4	95.2	96.3	98.5	99.2	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 754

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	39.2	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥20000	41.0	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000	41.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 16000	41.8	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000	41.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 12000	42.2	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 10000	43.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	43.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 8000	43.3	69.1	69.3	69.3	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	43.3	69.7	69.8	69.8	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 6000	43.3	69.8	70.0	70.0	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 5000	44.4	72.2	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	45.0	73.5	73.7	73.7	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 4000	46.4	75.3	75.4	75.4	75.4	75.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3500	46.9	77.4	77.5	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000	47.8	79.3	79.3	79.3	79.3	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 2500	48.3	82.0	82.6	82.9	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	50.3	86.7	87.4	87.9	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1800	50.2	87.5	88.3	89.2	89.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1500	50.8	89.6	90.5	91.4	91.4	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1200	51.0	90.1	91.5	92.3	92.9	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	51.0	90.3	91.6	92.5	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 900	51.0	90.3	91.6	92.5	93.4	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 800	51.0	90.8	92.2	93.4	94.4	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 700	51.0	90.9	92.3	93.8	95.3	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	51.0	90.9	92.3	94.0	95.5	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 500	51.0	91.2	92.6	94.2	96.2	96.7	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 400	51.0	91.5	93.0	95.2	97.3	97.9	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	51.0	91.5	93.0	95.2	97.3	97.9	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	51.0	91.5	93.0	95.2	97.3	97.9	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	51.0	91.5	93.0	95.2	97.3	97.9	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	51.0	91.5	93.0	95.2	97.3	97.9	98.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 729

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING ≥ 20000	38.6	59.7	60.0	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	40.7	63.5	63.8	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	40.7	63.6	63.9	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	40.8	63.8	64.1	64.5	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 12000	41.1	64.3	64.6	65.2	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 10000	41.5	65.3	65.6	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000	42.1	67.0	67.3	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	42.1	67.3	67.5	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	42.2	67.8	68.2	68.8	68.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 6000	42.3	68.7	69.1	69.6	69.8	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	42.8	69.2	69.6	70.2	70.3	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4500	43.6	71.0	71.4	72.0	72.1	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	44.0	72.1	72.6	73.1	73.3	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500	44.7	73.5	74.0	74.5	74.7	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	45.4	76.0	76.5	77.0	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	46.2	78.4	78.8	79.4	79.5	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	46.8	80.5	80.9	81.6	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800	48.2	84.4	85.1	86.2	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1500	48.8	85.4	86.1	87.2	87.3	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	48.7	86.4	87.2	88.4	88.5	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000	49.1	87.3	88.2	89.7	90.1	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 900	49.1	87.5	88.3	90.3	91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 800	49.1	88.6	89.8	92.3	93.5	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	49.1	89.0	90.3	92.8	94.2	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	49.1	89.4	90.9	93.5	94.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	49.1	89.6	91.1	93.9	95.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	49.1	90.1	91.9	94.7	96.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 300	49.1	90.1	91.9	94.7	96.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 200	49.1	90.1	91.9	94.7	96.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	49.1	90.1	91.9	94.7	96.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 0	49.1	90.1	91.9	94.7	96.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 718

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	32.6	52.8	53.5	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.6
IN 20000	35.4	58.2	58.9	59.4	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.2
IN 18000	35.6	58.5	59.2	59.7	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.5
IN 16000	35.7	58.6	59.4	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.6
IN 14000	36.1	59.6	60.3	60.8	61.0	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.4	61.5
IN 12000	36.5	61.3	62.0	62.6	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.3
IN 10000	37.4	63.6	64.4	64.9	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.7
IN 9000	37.4	64.0	64.7	65.3	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	66.0
IN 8000	37.8	65.3	66.1	66.7	66.9	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.7
IN 7000	38.0	66.3	66.9	67.5	67.7	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.5
IN 6000	38.2	66.5	67.4	67.9	68.2	68.3	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.8	68.9
IN 5000	39.0	68.2	69.0	69.6	69.9	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.5	70.6
IN 4500	39.5	69.0	69.9	70.5	70.8	70.9	71.2	71.2	71.2	71.2	71.3	71.3	71.4	71.4	71.4	71.5
IN 4000	40.2	70.6	71.5	72.1	72.3	72.5	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.2
IN 3500	40.8	72.4	73.3	74.0	74.3	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	75.1
IN 3000	41.5	75.3	76.2	76.9	77.2	77.4	77.7	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	78.1
IN 2500	42.7	77.9	79.0	79.8	80.2	80.3	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	81.1
IN 2000	43.5	81.3	82.2	83.2	83.6	83.8	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.6	84.7
IN 1800	44.2	82.3	83.3	84.4	84.8	85.0	85.6	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	86.0
IN 1500	44.5	83.9	85.3	86.6	87.3	87.5	88.1	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.4	88.5
IN 1200	44.8	85.2	86.6	88.2	88.9	89.3	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.4
IN 1000	44.9	85.8	87.5	89.0	89.8	90.3	91.0	91.1	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.5
IN 900	44.9	86.4	88.3	90.0	90.9	91.5	92.3	92.5	92.5	92.5	92.5	92.6	92.7	92.7	92.7	92.8
IN 800	45.0	87.3	89.2	91.0	92.3	92.7	93.6	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.2
IN 700	45.0	87.4	89.4	91.5	92.8	93.4	94.4	94.6	94.6	94.7	94.7	94.7	94.8	94.9	94.9	95.0
IN 600	45.0	87.7	90.0	92.0	93.8	94.1	95.1	95.3	95.3	95.3	95.4	95.4	95.7	95.7	95.7	95.9
IN 500	45.0	88.0	90.4	92.5	94.1	95.0	96.0	96.4	96.4	96.7	96.8	96.9	97.0	97.0	97.1	97.2
IN 400	45.0	88.2	90.7	92.9	94.8	95.7	96.8	97.4	97.4	97.7	97.8	97.9	98.1	98.1	98.1	98.2
IN 300	45.0	88.2	90.7	92.9	94.9	95.9	97.1	98.1	98.2	98.4	98.5	98.6	98.7	98.8	98.8	99.0
IN 200	45.0	88.2	90.7	92.9	94.9	95.9	97.2	98.2	98.4	98.7	98.9	98.9	99.2	99.4	99.5	99.7
IN 100	45.0	88.2	90.7	92.9	94.9	95.9	97.2	98.2	98.4	98.7	98.9	98.9	99.3	99.4	99.6	99.9
IN 0	45.0	88.2	90.7	93.0	94.9	95.9	97.2	98.3	98.4	98.7	98.9	99.0	99.3	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 8319

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## CEILING VERSUS VISIBILITY

722265

MAXWELL AFB AL

73-81

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	26.0	51.3	53.2	54.3	55.1	55.4	55.6	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	56.0
≥ 20000	29.4	59.3	61.4	62.7	63.5	63.9	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5
IV 18000	29.5	59.6	61.7	63.0	63.8	64.1	64.4	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.8
IV 16000	29.6	59.7	61.8	63.2	64.0	64.3	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.0
IV 14000	29.9	60.4	62.6	63.9	64.7	65.1	65.4	65.5	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7
IV 12000	30.6	62.2	64.4	65.8	66.6	67.0	67.3	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6
IV 10000	31.6	65.3	67.7	69.2	70.0	70.4	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1
IV 9000	31.8	65.9	68.3	69.8	70.7	71.0	71.3	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7
IV 8000	32.4	68.3	70.9	72.5	73.4	73.8	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.5	74.5
IV 7000	32.6	69.1	71.7	73.3	74.2	74.6	74.9	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3
IV 6000	32.9	69.8	72.5	74.1	75.1	75.4	75.8	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.2
IV 5000	33.4	71.3	74.1	75.7	76.7	77.1	77.4	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8
IV 4500	33.6	72.1	75.0	76.6	77.6	78.0	78.4	78.5	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8
IV 4000	34.0	73.5	76.4	78.1	79.2	79.6	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4
IV 3500	34.5	75.0	78.0	79.8	80.9	81.3	81.6	81.8	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.1
IV 3000	35.1	77.0	80.2	82.0	83.2	83.6	84.0	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.5
IV 2500	35.5	78.8	82.1	84.0	85.3	85.7	86.1	86.3	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.6
IV 2000	36.1	80.8	84.3	86.3	87.8	88.1	88.5	88.7	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.1
IV 1800	36.3	81.4	84.9	86.9	88.3	88.7	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.7	89.7	89.7
IV 1500	36.5	82.7	86.4	88.4	90.1	90.4	91.1	91.3	91.4	91.5	91.5	91.6	91.6	91.6	91.6	91.7
IV 1200	36.8	84.0	87.8	90.2	91.7	92.2	92.8	93.1	93.1	93.2	93.3	93.3	93.3	93.4	93.4	93.4
IV 1000	36.9	84.7	88.7	91.2	92.8	93.4	94.0	94.3	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.8
IV 900	36.9	85.1	89.3	91.9	93.6	94.2	94.9	95.2	95.3	95.4	95.5	95.5	95.6	95.6	95.6	95.6
IV 800	36.9	85.5	89.7	92.4	94.2	94.8	95.4	95.9	96.0	96.2	96.2	96.3	96.3	96.3	96.4	96.4
IV 700	37.0	85.7	90.1	92.8	94.7	95.4	96.1	96.5	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.0
IV 600	37.0	85.9	90.4	93.2	95.3	95.9	96.8	97.3	97.4	97.6	97.7	97.7	97.7	97.8	97.8	97.8
IV 500	37.0	86.3	90.7	93.6	95.7	96.5	97.4	98.0	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.6
IV 400	37.0	86.1	90.8	93.7	96.0	96.7	97.8	98.4	98.6	98.8	98.9	98.9	99.1	99.1	99.1	99.2
IV 300	37.0	86.2	90.8	93.8	96.0	96.8	97.9	98.6	98.8	99.1	99.2	99.2	99.4	99.4	99.5	99.6
IV 200	37.0	86.1	90.8	93.8	96.1	96.8	97.9	98.7	98.9	99.1	99.3	99.4	99.6	99.6	99.7	99.8
IV 100	37.0	86.1	90.8	93.8	96.1	96.8	97.9	98.7	98.9	99.1	99.3	99.4	99.6	99.6	99.7	100.0
IV 0	37.0	86.1	90.8	93.8	96.1	96.8	97.9	98.7	98.9	99.2	99.3	99.4	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 56611

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,  
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10



## SKY COVER

**JAN**

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	60.0									20.0	20.0	3.8	15
	03-05	23.1			7.7						7.7	61.5	7.1	13
	06-08	17.3			13.6						17.6	51.5	7.1	683
	09-11	15.3			16.5						18.9	49.3	7.1	811
	12-14	16.6			19.6						20.8	42.9	6.8	811
	15-17	18.0			19.7						19.8	42.5	6.6	812
	18-20	23.9			19.5						13.7	43.0	6.1	812
	21-23	30.2			13.9						12.0	43.9	5.9	749
TOTALS		25.6			13.8						16.3	44.3	6.3	4706

## SKY COVER

FEB

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	10.0			30.0						10.0	50.0	6.8	10
	03-05										16.7	83.3	9.8	6
	06-08	22.9			18.3						22.6	36.3	6.2	651
	09-11	21.2			21.5						22.8	34.6	6.2	755
	12-14	18.5			25.3						23.7	32.5	6.1	755
	15-17	19.8			29.1						20.6	30.5	5.8	757
	18-20	25.6			27.9						17.9	28.7	5.3	753
	21-23	35.2			20.3						14.0	30.5	4.9	694
TOTALS		19.2			21.6						18.5	40.8	6.4	4378

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**USE WITH CAUTION  
SEE FIRST PAGE**

## SKY COVER

722265

MAXWELL AFB AL

73-81

MAR

STATION

STATION NAME

PERIOD

MONTH \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	14.3										65.7	8.6	7
	03-05										40.0	60.0	9.6	5
	06-08	15.5			18.9						21.9	43.7	6.9	773
	09-11	13.2			21.2						24.5	41.1	7.0	836
	12-14	11.5			23.1						28.8	36.7	7.0	837
	15-17	10.8			23.1						28.1	38.1	7.0	837
	18-20	17.6			23.4						23.5	35.5	6.4	830
	21-23	29.8			18.4						15.7	36.1	5.6	739
TOTALS		14.1			16.0						22.8	47.1	7.3	4864

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## SKY COVER

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**MONTH**

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PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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## SKY COVER

MAY

STATION

STATION NAME

PERIOD

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	10-02				50.0						25.0	25.0	6.3	4
	03-05	12.7			26.1						26.1	35.0	6.6	157
	06-08	17.1			21.7						24.8	36.5	6.5	831
	09-11	12.6			31.6						25.2	30.6	6.3	833
	12-14	6.1			38.0						31.7	24.2	6.4	832
	15-17	5.5			40.5						29.0	24.9	6.3	834
	18-20	13.6			33.7						24.7	28.0	6.0	822
	21-23	32.2			25.2						19.6	23.0	4.8	547
TOTALS		12.5			33.4						25.8	28.4	6.2	4860

USAPETAC FORM 8-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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JUN

MONTH

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FORM  
NO. 43

0-9-6 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

JUL

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02													
	03-05	5.7			38.9						31.2	24.2	6.4	157
	06-08	11.5			33.2						27.4	27.9	6.3	826
	09-11	9.4			39.7						29.7	21.3	6.0	832
	12-14	1.2			43.6						37.9	17.3	6.5	833
	15-17	1.9			39.3						33.1	25.7	6.7	822
	18-20	6.8			30.3						30.5	32.4	6.9	814
	21-23	17.9			34.4						20.1	27.5	5.6	546
TOTALS		7.8			37.1						30.0	25.2	6.3	4832

## SKY COVER

AUG

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	40.0			20.0						10.0	30.0	4.5	10
	03-05	9.7			49.3						23.1	17.9	5.4	134
	06-08	17.9			35.9						24.9	21.3	5.4	827
	09-11	11.4			47.7						28.1	12.9	5.2	837
	12-14	1.6			52.0						35.4	11.1	5.9	837
	15-17	2.4			44.0						33.0	20.6	6.4	834
	18-20	11.0			31.0						35.6	22.4	6.4	831
	21-23	22.6			32.8						24.8	19.8	5.2	561
TOTALS		14.6			39.1						26.9	19.5	5.6	4871



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## SKY COVER

SEP

MONTH

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**PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.**

USAFETAC FORM 8-9-5 (OL A)

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MAXWELL AFB AL

73-81

OCT

STATION NAME

PERIOD

MONTH

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NOV

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	50.0									16.7	33.3	4.8	6
	03-05	33.3			33.3							33.3	4.3	3
	06-08	25.4			20.8						19.6	34.2	5.8	649
	09-11	25.9			20.2						20.9	33.0	5.8	808
	12-14	22.0			26.5						21.1	30.4	5.7	809
	15-17	21.9			27.5						23.5	27.2	5.7	810
	18-20	35.0			22.4						15.1	27.6	4.8	809
	21-23	45.1			15.7						13.5	25.7	4.3	809
TOTALS		32.3			20.8						16.3	30.6	5.2	4703

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SKY COVER

722265

MAXWELL AFB AL

73-81

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	33.3			66.7								2.0	3
	03-05													
	06-08	20.8			25.4						19.4	34.4	5.9	567
	09-11	24.4			22.3						19.2	34.2	5.8	767
	12-14	21.3			24.6						23.3	30.8	5.9	765
	15-17	20.2			25.9						24.3	29.7	5.9	754
	18-20	34.0			20.6						13.9	31.6	5.0	729
	21-23	40.8			17.3						12.5	29.4	4.6	718
TOTALS		27.8			29.0						16.1	27.2	5.0	4303

USAFETAC

FORM  
AF 64 9-9-8 (CL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# SKY COVER

722265

MAXWELL AFB AL

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	25.6			13.8						16.3	44.3	6.3	4706
FEB		19.2			21.6						18.5	40.8	6.4	4378
MAR		14.1			16.0						22.8	47.1	7.3	4864
APR		20.2			20.8						20.2	38.9	6.3	4685
MAY		12.5			33.4						25.8	28.4	6.2	4860
JUN		10.8			42.0						25.9	21.2	5.7	4687
JUL		7.8			37.1						30.0	25.2	6.3	4832
AUG		14.6			39.1						26.9	19.5	5.6	4871
SEP		15.1			27.0						21.4	36.6	6.4	4704
OCT		32.4			38.1						13.0	16.4	4.0	4833
NOV		32.3			20.8						16.3	30.6	5.2	4703
DEC		27.8			29.0						16.1	27.2	5.0	4303
TOTALS		19.4			28.2						21.1	31.4	5.9	56426

USAFETAC

FORM 6-9-8 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

0 PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extremes values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

0 \* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.







## STAYON

STATION NAME

**YEARS**

## MEAN

MEAN

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFM WEATHER SERVICE/MAC

## EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722255

PAXWELL AFB AL

37-56, 64-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
37		80	79	87	98	98	97	96	92	90	77	72	
38	74	77	84	89	94	94	96	101	96	91	85	73	101
39	75	81	84	85	92	97	100	96	94	91	78	75	100
40	67	73	82	86	93	94	98	97	97	87	79	73	98
41	70	67	75	87	86	96	97	97	97	94	78	76	97
42									95	86	80	79	
43	79	77	83	93	92	99	102	102	93	88	83	78	102
44	78	81	80	86	94	102	100	97	96	90	80	74	102
45	69	82	88	88	96	100	97	97	98	89	84	85	100
46	77	77	86	89	91	95	94	95	92	86	83	77	95
47	78	72	85	88	92	96	96	103	97	89	75	75	100
48	71	82	86	88	95	98	98	99	95	85	83	77	99
49	83	79	85	87	93	94	98	95	92	89	79	76	98
50	50	80	85	85	93	99	96	95	93	85	84	76	99
51	74	80	85	89	97	98	99	101	99	91	80	82	101
52	78	78	83	88	93	102	104	100	92	91	82	75	104
53	76	75	82	89	98	99	100	100	97	87	79	73	100
54	76	80	88	89	97	104	100	103	100	96	77	75	104
55	75	76	86	90	93	93	98	97	96	93	83	78	98
56	72	81	85	88	95	98	97						
57	68	65	81	85	93	98	91	95	95	84	80	75	98
58	75	77	82	87	93	92	93	94	93	85	84	75	94
59	77	76	82	88	92	95	105	95	95	87	79	76	105
60	77	75	87	89	93	95	91	92	89	87	84	78	95
61	71	69	85	85	88	98	100	98	94	89	82	75	100
62	75	78	86	88	96	104	103	93	95	87		74	
63	74	72	79	92	95	97	99	94	95	91	76	81	99
64	82	80	77	87	90	96	100	93	92	91	87	83	100
65	79	81	82	92	88	98	97	97	97	88	83	80	98
66	73	71	86	82	89	91	94	94	93	91	83	77	94
MEAN													
S. D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

1210 WS 0-00-3 (OLI)

A. AT LEAST ONE DAY LESS THAN 30 DAYS

~~AT LEAST ONE DAY LESS THAN 28 DAYS~~

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

702265

MAXWELL AFB AL

37-56, 64-81

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
37		26	31	39	53	67	62	68	53	32	23	15	
38	22	27	32	38	52	63	68	67	52	36	21	27	21
39	32	26	36	38	48	68	70	63	60	38	29	26	26
40	13	26	31	30	45	59	64	65	48	44	22	30	10
41	29	26	26	45	49	64	71	68	62	48	30	30	26
42									47	33	33	26	
43	22	21	20	38	53	69	64	63	54	38	30	20	20
44	27	25	33	38	43	62	65	65	62	43	34	22	22
45	25	26	38	43	47	62	70	65	59	45	27	17	19
46	26	31	39	44	51	57	68	61	54	44	38	32	26
47	28	19	24	45	49	60	62	70	50	52	32	37	19
48	17	30	32	47	52	63	71	64	58	36	37	26	10
49	29	30	31	39	58	63	71	66	48	44	29	28	28
50	33	33	32	36	61	61	65	64	59	49	14	21	14
51	23	12	33	38	51	67	69	67	57	45	25	20	12
52	26	31	34	38	48	68	69	62	58	33	31	23	23
53	28	29	39	39	54	65	65	64	58	39	35	21	21
54	27	27	28	43	48	57	71	68	59	35	26	25	25
55	24	21	24	45	53	58	68	70	66	38	23	22	21
56	26	34	34	42	51	52	67						
58	19	23	30	42	51	57	66	65	53	37	27	23	19
65	17	22	29	43	49	58	68	66	53	36	27	22	17
66	7	23	27	39	46	52	68	61	57	43	28	19	7
67	26	20	32	46	50	61	61	65	42	40	32	26	20
68	23	21	25	41	46	54	69	60	56	33	27	20	20
69	18	29	25	46	52	57	71	64	54	45		29	
70	15	17	31	40	52	60	62	69	54	46	17	24	10
71	16	15	28	36	45	64	67	67	60	41	28	33	15
72	10	24	33	38	53	52	64	68	55	45	32	26	10
73	23	23	36	33	47	64	70	65	54	40	38	25	23
MEAN													
S. D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM 0-88-5 (OLI)

# (AT LEAST ONE DAY LESS THAN 29 OBS)

2

MINIMUM TEMPERATURE

[FROM DAILY OBSERVATIONS]

37-56, 64-81

**STATION**

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES &amp; COMMENTS ON LESLIE MARK VANCE REINTERVIEW

1999-2000 2000-2001 2001-2002

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

~~USE WITH CAUTION~~  
~~SEE FIRST PAGE~~

## 20

JAN  
MONTH

0600-0800  
MAY 11 1964

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

JAN  
MONTH

0600-0800  
HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

**JAN**  
**MONTM**

PAGE 2

0900-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTM

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

PAGE 1 1500-1730  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |    |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|----|--|--|--|--|--|--|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |    |  |  |  |  |  |  |                    |       |  |  |
| 79 / 79      |                                     |     |     |     |     | .1   | .1    |       |       |       |       |       |       |       |       |       |      | 2        | 2        |           |    |  |  |  |  |  |  |                    |       |  |  |
| 78 / 77      |                                     |     |     |     |     | .9   | .2    | .1    |       | .1    |       |       |       |       |       |       |      | 11       | 11       |           |    |  |  |  |  |  |  |                    |       |  |  |
| 76 / 75      |                                     |     |     |     |     | .1   |       |       |       | .1    |       |       |       |       |       |       |      | 2        | 2        |           |    |  |  |  |  |  |  |                    |       |  |  |
| 74 / 73      |                                     |     |     | .4  | .4  | .1   |       |       | .1    | .1    |       |       |       |       |       |       |      | 9        | 9        |           |    |  |  |  |  |  |  |                    |       |  |  |
| 71 / 71      |                                     |     | .2  | .7  | .9  |      | .1    |       |       | .1    |       |       |       |       |       |       |      | 17       | 17       |           |    |  |  |  |  |  |  |                    |       |  |  |
| 7 / 69       |                                     |     | .7  | .6  | .5  | .1   | .6    | .1    | .4    | .2    |       |       |       |       |       |       |      | 27       | 27       |           | 4  |  |  |  |  |  |  |                    |       |  |  |
| 67 / 67      |                                     |     | .2  | .6  | .6  | .2   | .4    | .1    |       | .9    |       |       |       |       |       |       |      | 25       | 25       | 13        |    |  |  |  |  |  |  |                    |       |  |  |
| 66 / 65      |                                     | .6  | .2  | 1.0 | .2  | .2   | .5    | .4    | .4    | .4    |       |       |       |       |       |       |      | 32       | 32       | 19        | 4  |  |  |  |  |  |  |                    |       |  |  |
| 64 / 63      |                                     | .9  | .6  | .4  | .5  | 1.0  | .9    | 1.0   |       |       |       |       |       |       |       |       |      | 42       | 42       | 20        | 15 |  |  |  |  |  |  |                    |       |  |  |
| 62 / 61      |                                     | .9  | .4  | .4  | .2  | .7   | .5    | .7    |       |       |       |       |       |       |       |       |      | 33       | 33       | 20        | 21 |  |  |  |  |  |  |                    |       |  |  |
| 61 / 59      | .1                                  | 1.6 | .7  | .4  | 1.6 | 1.6  | .4    | .6    | .2    | .1    |       |       |       |       |       |       |      | 60       | 60       | 32        | 25 |  |  |  |  |  |  |                    |       |  |  |
| 56 / 57      |                                     | 1.0 | .2  | .6  | .7  | 1.1  | .7    | .5    | .4    | .1    |       |       |       |       |       |       |      | 44       | 44       | 29        | 25 |  |  |  |  |  |  |                    |       |  |  |
| 56 / 55      |                                     | .6  | 1.2 | 1.0 | 1.1 | 1.1  | .7    | 1.5   |       |       |       |       |       |       |       |       |      | 59       | 59       | 29        | 31 |  |  |  |  |  |  |                    |       |  |  |
| 54 / 53      |                                     | 2.0 | .5  | .1  | .6  | .5   | 2.1   | .4    |       |       |       |       |       |       |       |       |      | 50       | 50       | 40        | 22 |  |  |  |  |  |  |                    |       |  |  |
| 52 / 51      |                                     | .9  | .4  | .6  | .2  | .7   | 1.0   | .1    |       |       |       |       |       |       |       |       |      | 32       | 32       | 55        | 12 |  |  |  |  |  |  |                    |       |  |  |
| 51 / 49      |                                     | .6  | .2  | .5  | .7  | 1.8  | 1.2   | .4    |       |       |       |       |       |       |       |       |      | 45       | 45       | 51        | 31 |  |  |  |  |  |  |                    |       |  |  |
| 46 / 47      | .2                                  | 1.2 | .7  | .9  | 1.4 | 1.8  | 1.0   | .5    |       |       |       |       |       |       |       |       |      | 63       | 63       | 49        | 19 |  |  |  |  |  |  |                    |       |  |  |
| 46 / 45      | .2                                  | 1.2 | .4  | .6  | 1.0 | 1.6  | .9    |       |       |       |       |       |       |       |       |       |      | 48       | 48       | 47        | 41 |  |  |  |  |  |  |                    |       |  |  |
| 44 / 43      | .1                                  | .5  | .9  | .4  | .4  | 1.6  | .7    |       |       |       |       |       |       |       |       |       |      | 37       | 37       | 47        | 28 |  |  |  |  |  |  |                    |       |  |  |
| 42 / 41      |                                     | .4  | 1.1 | .4  | 1.5 | 1.1  | .9    |       |       |       |       |       |       |       |       |       |      | 43       | 43       | 51        | 30 |  |  |  |  |  |  |                    |       |  |  |
| 41 / 39      |                                     |     | .6  | .4  | 1.4 | 1.6  | .1    |       |       |       |       |       |       |       |       |       |      | 33       | 33       | 49        | 37 |  |  |  |  |  |  |                    |       |  |  |
| 36 / 37      |                                     |     | .7  | .6  | 1.2 | 1.0  |       |       |       |       |       |       |       |       |       |       |      | 29       | 29       | 45        | 37 |  |  |  |  |  |  |                    |       |  |  |
| 36 / 35      |                                     |     | .1  | 1.0 | 1.6 | .6   |       |       |       |       |       |       |       |       |       |       |      | 27       | 27       | 43        | 26 |  |  |  |  |  |  |                    |       |  |  |
| 34 / 33      |                                     |     | .4  | .1  | 1.4 |      |       |       |       |       |       |       |       |       |       |       |      | 15       | 15       | 39        | 25 |  |  |  |  |  |  |                    |       |  |  |
| 32 / 31      | .1                                  | .2  | .2  | .1  | .7  |      |       |       |       |       |       |       |       |       |       |       |      | 12       | 12       | 41        | 29 |  |  |  |  |  |  |                    |       |  |  |
| 31 / 29      | .1                                  | .2  |     | .4  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 7        | 7        | 37        | 30 |  |  |  |  |  |  |                    |       |  |  |
| 28 / 27      |                                     |     | .1  | .1  |     |      |       |       |       |       |       |       |       |       |       |       |      | 2        | 2        | 22        | 36 |  |  |  |  |  |  |                    |       |  |  |
| 26 / 25      |                                     | .2  | .2  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 4        | 4        | 15        | 36 |  |  |  |  |  |  |                    |       |  |  |
| 24 / 23      |                                     | .1  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1        | 1        | 10        | 31 |  |  |  |  |  |  |                    |       |  |  |
| 22 / 21      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          | 4         | 30 |  |  |  |  |  |  |                    |       |  |  |
| 2 / 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | 46 |  |  |  |  |  |  |                    |       |  |  |
| 16 / 17      |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |    |  |  |  |  |  |  |                    |       |  |  |

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                                      STATION NAME

73-81

**YEARS**

JAN  
MONTH

PAGE 2 1530-1700  
HOURS (L. S. T.)

[illegible]



2

## 6

YEARS

JAN  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
ALL 64



2

YEARS

JAN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

**USAFETAC** FORM  
NO. 44

## PSYCHROMETRIC SUMMARY

73-A1

YEARS

**JAN**  
**MONTH**

[illegible]

## PSYCHROMETRIC SUMMARY

JAN

411

HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

**722265**  
**STATION**

MAXWELL AFB AL

**73-81**

**FREE**  
**MONTH**

**PAGE 2**

~~0600-0800~~  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

FEB  
MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |       |  |  |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|-------|------------------------------------|--------|--------|--------|--------|--------|----------|----------|-----------|--------------------|-------|-------|--|--|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20 | 21-22                              | 23-24  | 25-26  | 27-28  | 29-30  | 31     | Dry Bulb | Wet Bulb | Dew Point |                    |       |       |  |  |  |  |
| 81 / 79      |                                     |     |     |     | .1  |      |       |       |          |       |       |                                    |        |        |        |        |        | 1        | 1        |           |                    |       |       |  |  |  |  |
| 78 / 77      |                                     |     |     | .1  |     |      |       | .1    |          |       |       |                                    |        |        |        |        |        | 2        | 2        |           |                    |       |       |  |  |  |  |
| 76 / 75      |                                     |     | .3  |     | .1  | .4   |       |       |          |       |       |                                    |        |        |        |        |        | 6        | 6        |           |                    |       |       |  |  |  |  |
| 74 / 73      |                                     |     | .1  | .1  | .4  |      |       |       |          | .1    |       |                                    |        |        |        |        |        | 6        | 6        |           |                    |       |       |  |  |  |  |
| 72 / 71      |                                     | .3  |     | .3  |     | .1   | .4    |       | .1       |       |       |                                    |        |        |        |        |        | 9        | 9        | 5         | 1                  |       |       |  |  |  |  |
| 71 / 69      |                                     | .1  | .3  | .5  | .1  | .3   |       | .4    | .3       | .1    |       |                                    |        |        |        |        |        | 16       | 16       | 3         | 7                  |       |       |  |  |  |  |
| 68 / 67      | .1                                  | .1  | .4  | .1  | .4  | .4   | .4    | .7    | .3       |       |       |                                    |        |        |        |        |        | 22       | 22       | 4         | 1                  |       |       |  |  |  |  |
| 66 / 65      | .3                                  | .4  | .8  | .5  | .8  | .3   | .9    |       | .3       |       |       |                                    |        |        |        |        |        | 32       | 32       | 14        | 4                  |       |       |  |  |  |  |
| 64 / 63      |                                     | 1.2 | .8  | .7  | .4  | .7   | .1    | .3    | .1       |       |       |                                    |        |        |        |        |        | 32       | 32       | 10        | 5                  |       |       |  |  |  |  |
| 62 / 61      |                                     | .8  | .7  | .5  | .7  | .9   | .3    | .4    |          |       |       |                                    |        |        |        |        |        | 32       | 32       | 23        | 13                 |       |       |  |  |  |  |
| 61 / 59      | .3                                  | 1.3 | 1.6 | 1.1 | .1  | .8   | 1.1   |       |          |       |       |                                    |        |        |        |        |        | 47       | 47       | 24        | 23                 |       |       |  |  |  |  |
| 58 / 57      | .1                                  | .7  | 1.1 | .9  | 1.1 | 1.2  | .7    | .3    |          |       |       |                                    |        |        |        |        |        | 45       | 45       | 32        | 16                 |       |       |  |  |  |  |
| 56 / 55      |                                     | .3  | .9  | .4  | .7  | .9   | .3    | .1    |          |       |       |                                    |        |        |        |        |        | 27       | 27       | 33        | 18                 |       |       |  |  |  |  |
| 54 / 53      | .1                                  | .4  | .5  | .9  | 1.4 | .8   | .4    | .3    |          |       |       |                                    |        |        |        |        |        | 37       | 37       | 48        | 28                 |       |       |  |  |  |  |
| 52 / 51      |                                     | .8  | 1.4 | .9  | 1.7 | .8   | .3    | .3    |          |       |       |                                    |        |        |        |        |        | 47       | 47       | 36        | 23                 |       |       |  |  |  |  |
| 50 / 49      |                                     | 1.2 | .5  | .9  | 1.7 | 1.3  | .9    |       |          |       |       |                                    |        |        |        |        |        | 50       | 50       | 31        | 23                 |       |       |  |  |  |  |
| 48 / 47      |                                     | .9  | .4  | 2.1 | .9  | .9   | .4    | .1    |          |       |       |                                    |        |        |        |        |        | 44       | 44       | 50        | 27                 |       |       |  |  |  |  |
| 46 / 45      |                                     | .5  | 1.2 | 2.0 | 1.4 | 1.6  |       |       |          |       |       |                                    |        |        |        |        |        | 51       | 51       | 44        | 32                 |       |       |  |  |  |  |
| 44 / 43      |                                     | .5  | .9  | 1.4 | 1.6 | .4   | .1    |       |          |       |       |                                    |        |        |        |        |        | 38       | 38       | 31        | 34                 |       |       |  |  |  |  |
| 42 / 41      |                                     | .4  | 1.1 | 2.4 | .9  | .8   |       |       |          |       |       |                                    |        |        |        |        |        | 42       | 42       | 57        | 25                 |       |       |  |  |  |  |
| 41 / 39      | .1                                  |     | 2.6 | .9  | 1.6 | .7   |       |       |          |       |       |                                    |        |        |        |        |        | 45       | 45       | 46        | 30                 |       |       |  |  |  |  |
| 38 / 37      |                                     | .4  | .9  | 1.7 | 1.8 | .1   |       |       |          |       |       |                                    |        |        |        |        |        | 38       | 38       | 57        | 33                 |       |       |  |  |  |  |
| 36 / 35      |                                     | .5  | .8  | 2.4 | .8  |      |       |       |          |       |       |                                    |        |        |        |        |        | 34       | 34       | 51        | 51                 |       |       |  |  |  |  |
| 34 / 33      | .1                                  |     | .1  | 1.6 | .7  |      |       |       |          |       |       |                                    |        |        |        |        |        | 19       | 19       | 37        | 37                 |       |       |  |  |  |  |
| 32 / 31      |                                     |     | .7  | 1.6 | .1  |      |       |       |          |       |       |                                    |        |        |        |        |        | 18       | 18       | 37        | 48                 |       |       |  |  |  |  |
| 31 / 29      |                                     | .1  | 1.1 | .7  |     |      |       |       |          |       |       |                                    |        |        |        |        |        | 14       | 14       | 30        | 44                 |       |       |  |  |  |  |
| 28 / 27      |                                     |     | .4  | .1  |     |      |       |       |          |       |       |                                    |        |        |        |        |        | 4        | 4        | 24        | 25                 |       |       |  |  |  |  |
| 26 / 25      |                                     |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          | 21        | 21                 |       |       |  |  |  |  |
| 24 / 23      |                                     |     |     | .3  |     |      |       |       |          |       |       |                                    |        |        |        |        |        | 2        | 2        | 9         | 18                 |       |       |  |  |  |  |
| 22 / 21      |                                     |     | .1  |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        | 1        | 1        | 1         | 33                 |       |       |  |  |  |  |
| 20 / 19      |                                     |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          | 2         | 40                 |       |       |  |  |  |  |
| 18 / 17      |                                     |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          | 1         | 26                 |       |       |  |  |  |  |
| 16 / 15      |                                     |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          |           | 20                 |       |       |  |  |  |  |
| 14 / 13      |                                     |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          |           | 25                 |       |       |  |  |  |  |
| Element (K)  | Σ K'                                |     |     | Σ K |     |      | Σ     | Σ     | No. Obs. |       |       | Mean No. of Hours with Temperature |        |        |        |        |        |          |          |           |                    |       |       |  |  |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       |       | ≤ 6 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |          |          |           |                    |       | Total |  |  |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          |           |                    |       |       |  |  |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          |           |                    |       |       |  |  |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |       |                                    |        |        |        |        |        |          |          |           |                    |       |       |  |  |  |  |

## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

FFB

PAGE 2 0900-1100  
MAY 11 1964

[illegible]



## PSYCHROMETRIC SUMMARY

**YEAR**

**FEB**  
**MONTH**

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |                    |       |  |  |
| 84/ 83       |                                     |     |     |     |     |      |       |       |          | .1    | .1                                 |        |        |        |        |        |      | 2        | 2        |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| 82/ 81       |                                     |     |     |     |     | .1   |       |       |          |       | .1                                 |        |        |        |        |        |      | 2        | 2        |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| 80/ 79       |                                     |     |     |     |     | .1   |       | .3    |          | .1    |                                    |        |        |        |        |        |      | 5        | 5        |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| 78/ 77       |                                     |     |     | .1  | .1  | .1   | .5    | .3    | .1       | .1    | .8                                 | .1     | .3     |        |        |        |      | 20       | 20       |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| 76/ 75       |                                     |     |     |     |     | .5   | .3    | .3    | .1       | .4    | .7                                 | .1     |        |        |        |        |      | 18       | 18       |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| 74/ 73       |                                     | .1  | .3  | .1  | .3  | .4   | .4    | .5    | .5       | .1    |                                    |        |        |        |        |        |      | 21       | 21       |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| 72/ 71       |                                     |     | .3  | .1  | .5  | .8   | .4    | .7    | .9       | .8    | .4                                 |        |        |        |        |        |      | 37       | 37       | 6         |  |  |  |  |  |  |  |  |                    |       |  |  |
| 70/ 69       |                                     | .3  | .5  | .3  | .5  | .9   | 1.3   | 1.6   | .5       | .9    |                                    |        |        |        |        |        |      | 52       | 52       | 5         |  |  |  |  |  |  |  |  |                    |       |  |  |
| 68/ 67       |                                     | .1  | .5  | .4  | .7  | 1.2  | .5    | .1    | .9       | .8    |                                    |        |        |        |        |        |      | 40       | 40       | 5         |  |  |  |  |  |  |  |  |                    |       |  |  |
| 66/ 65       |                                     | .4  | 1.0 | 1.0 | .8  |      | .4    | .1    | 1.3      | .8    |                                    |        |        |        |        |        |      | 45       | 45       | 20        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 64/ 63       |                                     | .1  | .3  | 1.0 | .3  | .8   | .1    | .8    | 1.8      | .1    |                                    |        |        |        |        |        |      | 41       | 41       | 23        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 62/ 61       |                                     | .3  | .4  | .1  | .1  | .1   | .7    | 1.8   | .9       |       |                                    |        |        |        |        |        |      | 34       | 34       | 31        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 60/ 59       |                                     | .9  | .7  |     | .4  | .3   | .5    | .4    | .7       |       |                                    |        |        |        |        |        |      | 29       | 29       | 37        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 58/ 57       |                                     | .4  | .7  | .3  | .8  | .5   | .7    | 1.4   | .7       |       |                                    |        |        |        |        |        |      | 41       | 41       | 63        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 56/ 55       |                                     |     | .3  | .7  | .1  | .9   | 1.4   | .8    | .9       |       |                                    |        |        |        |        |        |      | 39       | 39       | 34        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 54/ 53       |                                     | .3  | .4  | .4  | 1.4 | .8   | 1.3   | 2.2   | .3       |       |                                    |        |        |        |        |        |      | 54       | 54       | 29        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 52/ 51       |                                     | .3  | .1  | .4  | 1.0 | 1.2  | 1.4   | 1.0   |          |       |                                    |        |        |        |        |        |      | 42       | 42       | 30        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 50/ 49       |                                     |     | .4  | .1  | 1.3 | 1.6  | .7    | .5    |          |       |                                    |        |        |        |        |        |      | 35       | 35       | 54        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 48/ 47       |                                     | .7  | .3  | 1.0 | .9  | .7   | 1.4   | .3    |          |       |                                    |        |        |        |        |        |      | 40       | 40       | 42        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 46/ 45       |                                     | .9  | .4  | .4  | .4  | 1.0  | 1.0   |       |          |       |                                    |        |        |        |        |        |      | 32       | 32       | 44        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 44/ 43       |                                     | .3  | 1.8 | .7  | 1.0 | .9   | .5    |       |          |       |                                    |        |        |        |        |        |      | 40       | 40       | 54        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 42/ 41       |                                     |     | 1.2 | .5  | 1.0 | 1.3  |       |       |          |       |                                    |        |        |        |        |        |      | 31       | 31       | 62        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 40/ 39       |                                     | .3  | .4  | .3  | 1.2 | .8   |       |       |          |       |                                    |        |        |        |        |        |      | 22       | 22       | 64        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 38/ 37       |                                     | .4  | .1  | .3  | 1.2 | .5   |       |       |          |       |                                    |        |        |        |        |        |      | 19       | 19       | 35        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 36/ 35       |                                     |     |     | .3  | .7  |      |       |       |          |       |                                    |        |        |        |        |        |      | 7        | 7        | 42        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 34/ 33       |                                     |     |     | .1  | .7  |      |       |       |          |       |                                    |        |        |        |        |        |      | 6        | 6        | 23        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 32/ 31       |                                     |     |     | .3  | .1  |      |       |       |          |       |                                    |        |        |        |        |        |      | 3        | 3        | 23        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 30/ 29       |                                     | .1  | .3  |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      | 3        | 3        | 19        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 28/ 27       | .1                                  | .1  |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      | 2        | 2        | 11        |  |  |  |  |  |  |  |  |                    |       |  |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          | 5         |  |  |  |  |  |  |  |  |                    |       |  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          | 1         |  |  |  |  |  |  |  |  |                    |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| 20/ 19       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| Element (X)  | Σ X'                                |     |     | Σ X |     |      | Σ     | Σ     | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |          |          | Total     |  |  |  |  |  |  |  |  |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |      |          |          |           |  |  |  |  |  |  |  |  |                    |       |  |  |

## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

FEB  
MONTH

**PAGE 2**

1200-1400  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL

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YEARS

FEB  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. Y.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        | TOTAL<br>D.B./W.B. | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31               | Dry Bulb | Wet Bulb | Dew Point |
| 44/ 83       |                                     |     |     |     |     |      |       |       |       | .3    |          |       |                                    |        |        |        | 2                  | 2        |          |           |
| 45/ 81       |                                     |     |     |     |     |      |       |       | .1    | .1    |          |       | .3                                 |        |        |        | 4                  | 4        |          |           |
| 46/ 79       |                                     |     |     |     |     |      |       | .3    | .1    |       | .1       |       |                                    |        |        |        | 4                  | 4        |          |           |
| 47/ 77       |                                     |     |     |     |     | .1   | .1    | .4    |       | 1.6   | .4       | .3    |                                    |        |        |        | 22                 | 22       |          |           |
| 48/ 75       |                                     |     |     | .1  | .4  | .5   | .4    | .3    | .3    | .5    | .4       |       |                                    |        |        |        | 22                 | 22       |          |           |
| 49/ 73       |                                     |     | .1  | .5  | .5  | .5   | .1    | .7    | .5    | .1    |          |       |                                    |        |        |        | 24                 | 24       |          |           |
| 50/ 71       |                                     | .3  | .3  | .7  | .8  | .7   | .5    | 1.1   | .8    | .4    | .7       |       |                                    |        |        |        | 46                 | 46       |          |           |
| 51/ 69       |                                     | .4  | .4  | .1  | .5  | .9   | .5    | 1.1   | .7    | .9    | .5       |       |                                    |        |        |        | 46                 | 46       | 4        | 1         |
| 52/ 67       |                                     |     | .4  | .8  | .9  | .8   | .3    | .3    | .8    | 1.2   | .4       |       |                                    |        |        |        | 44                 | 44       | 16       | 5         |
| 53/ 65       |                                     |     | .8  | .5  | .8  | .5   | .1    | .8    | .8    | .1    |          |       |                                    |        |        |        | 40                 | 40       | 20       | 7         |
| 54/ 63       |                                     | .5  | .3  | .5  | .4  | .4   | .5    | .9    | 2.0   | .3    |          |       |                                    |        |        |        | 41                 | 41       | 21       | 7         |
| 55/ 61       |                                     | .8  | .3  | .4  | .4  | .4   | 1.3   | 1.4   | .1    |       |          |       |                                    |        |        |        | 39                 | 39       | 35       | 13        |
| 56/ 59       |                                     | .7  | .1  |     | .3  | .1   | 1.1   | 1.2   | 1.2   | .1    |          |       |                                    |        |        |        | 36                 | 36       | 33       | 24        |
| 57/ 57       | .1                                  | .3  | 1.2 |     | .1  | .4   | .5    | 1.7   | 1.4   | .4    |          |       |                                    |        |        |        | 47                 | 47       | 63       | 21        |
| 58/ 55       |                                     | .3  | .1  | .3  | .7  | .7   | 1.6   | 2.2   | .5    |       |          |       |                                    |        |        |        | 48                 | 48       | 34       | 17        |
| 59/ 53       |                                     |     | .1  | .1  | 1.1 | .5   | 1.6   | .8    |       |       |          |       |                                    |        |        |        | 32                 | 32       | 26       | 32        |
| 60/ 51       |                                     |     | .5  | .8  | .8  | 1.3  | .7    | .9    | .3    |       |          |       |                                    |        |        |        | 40                 | 40       | 33       | 22        |
| 61/ 49       |                                     | .1  | .8  | .5  | 1.8 | 1.2  | .5    | .7    |       |       |          |       |                                    |        |        |        | 43                 | 43       | 44       | 12        |
| 62/ 47       |                                     | .7  | .9  | .3  | .9  | .9   | 1.7   | .7    |       |       |          |       |                                    |        |        |        | 46                 | 46       | 60       | 19        |
| 63/ 45       |                                     | .8  | .4  | .5  | .4  | 1.6  | 1.1   |       |       |       |          |       |                                    |        |        |        | 36                 | 36       | 49       | 20        |
| 64/ 43       |                                     | .3  | .9  |     | .4  | 1.1  | .4    |       |       |       |          |       |                                    |        |        |        | 23                 | 23       | 69       | 26        |
| 65/ 41       | .1                                  | .3  | .7  | .7  | .8  | 1.3  |       |       |       |       |          |       |                                    |        |        |        | 29                 | 29       | 70       | 30        |
| 66/ 39       | .1                                  | .1  | .3  | .4  | .8  | .9   |       |       |       |       |          |       |                                    |        |        |        | 20                 | 20       | 41       | 43        |
| 67/ 37       |                                     |     | .4  | .1  | .9  | .7   |       |       |       |       |          |       |                                    |        |        |        | 16                 | 16       | 27       | 24        |
| 68/ 35       |                                     |     |     | .3  | .7  |      |       |       |       |       |          |       |                                    |        |        |        | 7                  | 7        | 50       | 45        |
| 69/ 33       |                                     |     | .1  |     |     |      |       |       |       |       |          |       |                                    |        |        |        | 1                  | 1        | 25       | 29        |
| 70/ 31       |                                     | .1  | .1  |     |     |      |       |       |       |       |          |       |                                    |        |        |        | 2                  | 2        | 16       | 60        |
| 71/ 29       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          | 19       | 32        |
| 72/ 27       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          | 5        | 41        |
| 73/ 25       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          |          | 36        |
| 74/ 23       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          |          | 31        |
| 75/ 21       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          |          | 30        |
| 76/ 19       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          |          | 20        |
| 77/ 17       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          |          | 26        |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |                    |          |          |           |
| Ref. Num.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 6 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F             | ≥ 93 F   | Total    |           |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |                    |          |          |           |

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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| <u>722265</u> | <u>MAXWELL AFB AL</u> |
| STATION       | STATION NAME          |

73-81

**FEB**  
**MONTH**

PAGE 2 1500-1700  
HOURS (L. S. T.)

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

GLOBAL CLIMATOLOGY BRANCH  
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## PSYCHROMETRIC SUMMARY

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STATION

MAXWELL AFB AL  
STATION NAME

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YEARS

FEB  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 76 / 75      |                                     |     |     |     |     |      | .1             | .1    |          |       |                                    |        |        |        |        |        |      | 2         | 2        |          |           |       |       |  |  |
| 74 / 73      |                                     |     |     |     |     | .3   |                |       |          |       |                                    |        |        |        |        |        |      | 2         | 2        |          |           |       |       |  |  |
| 72 / 71      |                                     |     | .3  | .4  | .1  | .4   |                | .3    |          |       |                                    |        |        |        |        |        |      | 11        | 11       |          |           |       |       |  |  |
| 70 / 69      |                                     | .1  | .4  | .5  | .4  | .5   | .3             | .3    | .5       | .3    |                                    |        |        |        |        |        |      | 25        | 25       |          |           |       |       |  |  |
| 68 / 67      |                                     | .5  | .5  | .9  | .5  | .1   | .7             | .8    | .3       |       |                                    |        |        |        |        |        |      | 33        | 33       | 5        | 2         |       |       |  |  |
| 66 / 65      |                                     | .4  | .4  | 1.3 | .5  | .4   | .5             | .7    | .3       |       |                                    |        |        |        |        |        |      | 34        | 34       | 11       | 6         |       |       |  |  |
| 64 / 63      |                                     | 1.6 | .4  | .3  | 1.1 | .8   | 1.2            | 1.1   | .1       |       |                                    |        |        |        |        |        |      | 49        | 49       | 16       | 9         |       |       |  |  |
| 62 / 61      | .3                                  | .8  | .4  | .5  | .5  | .7   | 1.1            | .5    | .4       | .1    |                                    |        |        |        |        |        |      | 40        | 40       | 34       | 11        |       |       |  |  |
| 60 / 59      |                                     | .1  | .9  | .3  | .9  | .9   | .4             | .5    | .1       |       |                                    |        |        |        |        |        |      | 32        | 32       | 23       | 22        |       |       |  |  |
| 58 / 57      | .1                                  | .9  | 1.3 | .5  | .5  | .8   | .9             | .5    |          |       |                                    |        |        |        |        |        |      | 43        | 43       | 23       | 20        |       |       |  |  |
| 56 / 55      | .1                                  | .5  | .3  | .8  | .4  | 2.1  | .9             | .1    |          |       |                                    |        |        |        |        |        |      | 40        | 40       | 39       | 20        |       |       |  |  |
| 54 / 53      |                                     | .7  | .7  | .5  | .5  | 1.1  | 1.3            | .3    |          |       |                                    |        |        |        |        |        |      | 38        | 38       | 38       | 16        |       |       |  |  |
| 52 / 51      |                                     | .4  | .5  | .8  | 1.2 | 1.1  | 1.7            |       |          |       |                                    |        |        |        |        |        |      | 43        | 43       | 45       | 30        |       |       |  |  |
| 50 / 49      |                                     |     | 1.7 | .9  | 1.7 | 2.8  | .9             |       |          |       |                                    |        |        |        |        |        |      | 61        | 61       | 31       | 16        |       |       |  |  |
| 48 / 47      |                                     | 1.6 | .5  | 1.7 | 1.7 | 1.7  | .1             |       |          |       |                                    |        |        |        |        |        |      | 56        | 56       | 40       | 19        |       |       |  |  |
| 46 / 45      |                                     | .9  | 1.1 | 2.0 | 1.5 | 1.6  | .3             |       |          |       |                                    |        |        |        |        |        |      | 55        | 55       | 59       | 26        |       |       |  |  |
| 44 / 43      |                                     |     | 1.1 | 1.7 | .9  | .7   | .1             |       |          |       |                                    |        |        |        |        |        |      | 34        | 34       | 53       | 33        |       |       |  |  |
| 42 / 41      |                                     | .4  | 1.5 | 1.2 | 2.5 | .8   |                |       |          |       |                                    |        |        |        |        |        |      | 48        | 48       | 49       | 38        |       |       |  |  |
| 40 / 39      |                                     | .3  | .7  | 1.6 | 1.7 | .7   |                |       |          |       |                                    |        |        |        |        |        |      | 37        | 37       | 79       | 29        |       |       |  |  |
| 38 / 37      |                                     | .5  | 1.2 | 1.1 | 1.1 | .1   |                |       |          |       |                                    |        |        |        |        |        |      | 30        | 30       | 51       | 38        |       |       |  |  |
| 36 / 35      |                                     |     | .3  | 1.3 | 1.2 |      |                |       |          |       |                                    |        |        |        |        |        |      | 21        | 21       | 41       | 41        |       |       |  |  |
| 34 / 33      |                                     |     | .5  | .3  | .9  |      |                |       |          |       |                                    |        |        |        |        |        |      | 13        | 13       | 43       | 45        |       |       |  |  |
| 32 / 31      |                                     |     |     | .5  | .3  |      |                |       |          |       |                                    |        |        |        |        |        |      | 6         | 6        | 27       | 55        |       |       |  |  |
| 30 / 29      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 23       | 40        |       |       |  |  |
| 28 / 27      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 14       | 35        |       |       |  |  |
| 26 / 25      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          | 9        | 44        |       |       |  |  |
| 24 / 23      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 27        |       |       |  |  |
| 22 / 21      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 25        |       |       |  |  |
| 20 / 19      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 32        |       |       |  |  |
| 18 / 17      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 23        |       |       |  |  |
| 16 / 15      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 14        |       |       |  |  |
| 14 / 13      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 13        |       |       |  |  |
| 12 / 11      |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 11        |       |       |  |  |
| 10 / 9       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          | 11        |       |       |  |  |
| Element (X)  | Σ x <sup>2</sup>                    |     | Σ x |     | x̄  |      | s <sub>x</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |      |           |          |          |           |       |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |      |           | Total    |          |           |       |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          |           |       |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          |           |       |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |      |           |          |          |           |       |       |  |  |

FORM 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

**YEARS**

FEB  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

72265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81

YEARS

FEB  
MONTH

PAGE 1

2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       | TOTAL<br>D.B./W.B. | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|--------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12    | 13-14 | 15-16                              | 17-18  | 19-20  | 21-22  | 23-24  | 25-26  | 27-28 | 29-30 | ≥ 31               | Dry Bulb | Wet Bulb | Dew Point |
| 77/ 71       |                                     |     | .1  |     |     |      |          |       |                                    |        |        |        |        |        |       |       | 1                  | 1        |          |           |
| 77/ 69       |                                     |     | .3  |     |     |      |          |       |                                    |        |        |        |        |        |       |       | 4                  | 4        |          |           |
| 68/ 67       | .1                                  |     | .4  | .7  |     |      |          |       |                                    |        |        |        |        |        |       |       | 9                  | 9        | 1        | 1         |
| 66/ 65       | .3                                  | 1.1 | .6  | .9  | .4  | .4   | .3       |       |                                    |        |        |        |        |        |       |       | 28                 | 28       | 8        | 3         |
| 64/ 63       | .1                                  | 1.3 | .7  | .4  | 1.1 | .3   |          |       |                                    |        |        |        |        |        |       |       | 28                 | 28       | 13       | 10        |
| 62/ 61       | .3                                  | 1.4 | .7  | 1.6 | .4  | .3   | .6       |       |                                    |        |        |        |        |        |       |       | 37                 | 37       | 25       | 14        |
| 60/ 59       |                                     | .4  | .3  | 1.0 | .4  | .9   | .3       | .3    |                                    |        |        |        |        |        |       |       | 25                 | 25       | 18       | 15        |
| 58/ 57       | .1                                  | 1.4 | 2.0 | 1.0 | 1.0 | .6   | .3       | .1    |                                    |        |        |        |        |        |       |       | 46                 | 46       | 17       | 23        |
| 56/ 55       |                                     | .7  | 1.3 | .4  | .3  | .4   | .3       |       |                                    |        |        |        |        |        |       |       | 24                 | 24       | 31       | 8         |
| 54/ 53       |                                     | .7  | 1.1 | 1.0 | 1.1 | .1   | .1       |       |                                    |        |        |        |        |        |       |       | 30                 | 30       | 37       | 16        |
| 52/ 51       |                                     | .9  | .7  | 1.1 | 1.0 | 1.6  | .1       |       |                                    |        |        |        |        |        |       |       | 38                 | 38       | 27       | 34        |
| 50/ 49       |                                     | .9  | 2.3 | 1.1 | .7  | .4   |          |       |                                    |        |        |        |        |        |       |       | 38                 | 38       | 33       | 21        |
| 48/ 47       |                                     | 1.9 | 1.7 | 1.9 | 1.0 | .4   |          |       |                                    |        |        |        |        |        |       |       | 48                 | 48       | 31       | 22        |
| 46/ 45       |                                     | 1.1 | 2.0 | 2.4 | 1.1 | 1.1  |          |       |                                    |        |        |        |        |        |       |       | 55                 | 55       | 53       | 27        |
| 44/ 43       |                                     | .1  | 1.6 | 2.3 | 1.6 | .3   |          |       |                                    |        |        |        |        |        |       |       | 41                 | 41       | 37       | 31        |
| 42/ 41       |                                     | 1.0 | 2.4 | 1.9 | 1.7 | .3   |          |       |                                    |        |        |        |        |        |       |       | 51                 | 51       | 43       | 31        |
| 40/ 39       |                                     | .3  | 4.9 | 2.0 | 1.4 |      |          |       |                                    |        |        |        |        |        |       |       | 60                 | 60       | 49       | 29        |
| 38/ 37       |                                     | 1.7 | 2.9 | 1.7 | 1.4 | .1   |          |       |                                    |        |        |        |        |        |       |       | 55                 | 55       | 50       | 33        |
| 36/ 35       |                                     | .3  | .6  | 2.3 | 1.0 |      |          |       |                                    |        |        |        |        |        |       |       | 29                 | 29       | 77       | 40        |
| 34/ 33       |                                     |     | 1.1 | 1.7 | .9  |      |          |       |                                    |        |        |        |        |        |       |       | 26                 | 26       | 41       | 32        |
| 32/ 31       |                                     |     | .4  | 1.9 | .3  |      |          |       |                                    |        |        |        |        |        |       |       | 18                 | 18       | 26       | 66        |
| 30/ 29       |                                     |     | .3  | .6  |     |      |          |       |                                    |        |        |        |        |        |       |       | 6                  | 6        | 36       | 41        |
| 28/ 27       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          | 25       | 31        |
| 26/ 25       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          | 13       | 28        |
| 24/ 23       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          | 6        | 21        |
| 22/ 21       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          | 20        |
| 20/ 19       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          | 31        |
| 18/ 17       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          | 22        |
| 16/ 15       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          | 8         |
| 14/ 13       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          | 17        |
| 12/ 11       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          | 12        |
| 10/ 9        |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          | 7         |
| 8/ 7         |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          | 3         |
| Element (X)  | Σ X'                                |     | Σ X |     | Σ   | Σ    | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |       |                    |          | Total    |           |
| Rel. Hum.    |                                     |     |     |     |     |      |          |       | ≤ 6 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |       |                    |          |          |           |
| Dry Bulb     |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |                    |          |          |           |

FORM 0-26-5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC JAN 64





## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

FEA

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 4/ 83        |                                     |     |     |     |     |      |       |       |       | .1    | .0    |       |       |       |       |       |    | 4        | 4        |           |                    |       |  |  |
| 6/ 81        |                                     |     |     |     |     | .0   |       |       | .0    | .0    | .0    |       |       |       |       |       |    | 6        | 6        |           |                    |       |  |  |
| 8/ 79        |                                     |     |     |     | .0  | .0   |       | .1    | .0    | .0    | .0    |       | .0    |       |       |       |    | 10       | 10       |           |                    |       |  |  |
| 7/ 77        |                                     |     |     | .0  | .0  | .0   | .1    | .1    | .1    | .0    | .4    | .1    | .1    |       |       |       |    | 44       | 44       |           |                    |       |  |  |
| 76/ 75       |                                     |     | .0  | .0  | .1  | .2   | .1    | .1    | .1    | .1    | .2    | .1    |       |       |       |       |    | 48       | 48       |           |                    |       |  |  |
| 74/ 73       |                                     | .0  | .1  | .1  | .1  | .2   | .2    | .0    | .2    | .2    | .0    |       |       |       |       |       |    | 53       | 53       |           |                    |       |  |  |
| 72/ 71       |                                     | .1  | .1  | .3  | .2  | .3   | .2    | .3    | .3    | .2    | .2    |       |       |       |       |       |    | 105      | 105      | 11        |                    |       |  |  |
| 7/ 69        |                                     | .2  | .3  | .3  | .3  | .5   | .4    | .6    | .3    | .4    | .1    |       |       |       |       |       |    | 147      | 147      | 13        |                    |       |  |  |
| 68/ 67       | .1                                  | .2  | .4  | .5  | .4  | .4   | .3    | .3    | .4    | .3    | .1    |       |       |       |       |       |    | 153      | 153      | 34        |                    |       |  |  |
| 66/ 65       | .1                                  | .7  | .7  | .7  | .6  | .3   | .4    | .3    | .5    | .3    | .0    |       |       |       |       |       |    | 197      | 197      | 81        |                    |       |  |  |
| 64/ 63       | .1                                  | .9  | .5  | .5  | .5  | .5   | .3    | .5    | .7    | .1    |       |       |       |       |       |       |    | 203      | 203      | 102       |                    |       |  |  |
| 62/ 61       | .1                                  | 1.0 | .5  | .5  | .4  | .3   | .5    | .7    | .5    | .0    |       |       |       |       |       |       |    | 201      | 201      | 161       |                    |       |  |  |
| 60/ 59       | .0                                  | .8  | .7  | .5  | .4  | .5   | .6    | .4    | .3    | .0    |       |       |       |       |       |       |    | 187      | 187      | 152       |                    |       |  |  |
| 58/ 57       | .1                                  | .9  | 1.2 | .5  | .6  | .6   | .5    | .7    | .4    | .1    |       |       |       |       |       |       |    | 245      | 245      | 211       |                    |       |  |  |
| 56/ 55       | .0                                  | .7  | .7  | .5  | .4  | .9   | .8    | .6    | .2    |       |       |       |       |       |       |       |    | 212      | 212      | 194       |                    |       |  |  |
| 54/ 53       | .0                                  | .4  | .6  | .6  | 1.0 | .6   | .8    | .6    | .0    |       |       |       |       |       |       |       |    | 203      | 203      | 201       |                    |       |  |  |
| 52/ 51       |                                     | .5  | .9  | .8  | 1.0 | 1.0  | .7    | .4    | .0    |       |       |       |       |       |       |       |    | 235      | 235      | 186       |                    |       |  |  |
| 50/ 49       |                                     | .7  | 1.1 | .8  | 1.3 | 1.2  | .5    | .2    |       |       |       |       |       |       |       |       |    | 259      | 259      | 210       |                    |       |  |  |
| 48/ 47       | .0                                  | 1.5 | .8  | 1.5 | .9  | .8   | .6    | .2    |       |       |       |       |       |       |       |       |    | 282      | 282      | 260       |                    |       |  |  |
| 46/ 45       | .0                                  | 1.2 | 1.1 | 1.3 | .9  | 1.2  | .4    |       |       |       |       |       |       |       |       |       |    | 266      | 266      | 287       |                    |       |  |  |
| 44/ 43       |                                     | .5  | 1.5 | 1.2 | 1.0 | .6   | .2    |       |       |       |       |       |       |       |       |       |    | 219      | 219      | 286       |                    |       |  |  |
| 42/ 41       | .0                                  | .6  | 1.4 | 1.2 | 1.3 | .8   |       |       |       |       |       |       |       |       |       |       |    | 237      | 237      | 316       |                    |       |  |  |
| 40/ 39       | .0                                  | .4  | 1.8 | 1.0 | 1.2 | .5   |       |       |       |       |       |       |       |       |       |       |    | 218      | 218      | 315       |                    |       |  |  |
| 38/ 37       |                                     | .9  | 1.3 | 1.0 | 1.1 | .3   |       |       |       |       |       |       |       |       |       |       |    | 206      | 206      | 259       |                    |       |  |  |
| 36/ 35       | .0                                  | .6  | .8  | 1.3 | .7  |      |       |       |       |       |       |       |       |       |       |       |    | 156      | 156      | 305       |                    |       |  |  |
| 34/ 33       | .0                                  | .4  | .7  | .8  | .6  |      |       |       |       |       |       |       |       |       |       |       |    | 112      | 112      | 218       |                    |       |  |  |
| 32/ 31       |                                     | .4  | .7  | .9  | .1  |      |       |       |       |       |       |       |       |       |       |       |    | 92       | 92       | 178       |                    |       |  |  |
| 30/ 29       | .0                                  | .2  | .5  | .3  |     |      |       |       |       |       |       |       |       |       |       |       |    | 45       | 45       | 172       |                    |       |  |  |
| 28/ 27       | .0                                  | .2  | .4  | .0  |     |      |       |       |       |       |       |       |       |       |       |       |    | 31       | 31       | 116       |                    |       |  |  |
| 26/ 25       |                                     | .1  | .3  | .0  |     |      |       |       |       |       |       |       |       |       |       |       |    | 17       | 17       | 76        |                    |       |  |  |
| 24/ 23       |                                     | .1  | .0  | .0  |     |      |       |       |       |       |       |       |       |       |       |       |    | 6        | 6        | 40        |                    |       |  |  |
| 22/ 21       |                                     | .0  | .2  |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |

620

i

**FEB**  
MONTH



HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | TOTAL     | TOTAL |       |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | = 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |
| 79 / 79      |                                     |     |     |     | .1  |      |       |       |          |       |                                    |       |        |       |        |       |        | 1         | 1        |          |           |       |       |  |
| 76 / 75      |                                     |     | .1  | .1  |     | .1   |       |       |          |       |                                    |       |        |       |        |       |        | 3         | 3        |          |           |       |       |  |
| 74 / 73      |                                     |     | .4  | .4  | .1  | .1   |       |       |          |       |                                    |       |        |       |        |       |        | 8         | 8        |          |           |       |       |  |
| 72 / 71      |                                     | .3  | 1.4 |     | .1  |      |       |       |          |       |                                    |       |        |       |        |       |        | 14        | 14       | 3        |           |       |       |  |
| 71 / 69      |                                     | .5  | .8  | .3  |     | .1   |       |       |          |       |                                    |       |        |       |        |       |        | 13        | 13       | 10       | 3         |       |       |  |
| 68 / 67      |                                     | .3  | .6  | .5  | .4  | .3   | .3    |       |          |       |                                    |       |        |       |        |       |        | 18        | 18       | 17       | 16        |       |       |  |
| 66 / 65      |                                     | 1.7 | 1.4 |     | .4  |      |       |       |          |       |                                    |       |        |       |        |       |        | 27        | 27       | 9        | 12        |       |       |  |
| 64 / 63      | .1                                  | .9  | 1.9 | 1.4 | .1  | .1   | .1    |       |          |       |                                    |       |        |       |        |       |        | 37        | 37       | 25       | 12        |       |       |  |
| 62 / 61      | .1                                  | 1.9 | 3.4 | .8  | .4  |      |       |       |          |       |                                    |       |        |       |        |       |        | 51        | 51       | 23       | 20        |       |       |  |
| 61 / 59      | .3                                  | 1.9 | 2.6 | .9  | .3  | .3   | .3    |       |          |       |                                    |       |        |       |        |       |        | 50        | 50       | 45       | 24        |       |       |  |
| 58 / 57      | .6                                  | 3.1 | 1.8 | .8  | 1.6 | .1   |       |       |          |       |                                    |       |        |       |        |       |        | 62        | 62       | 61       | 42        |       |       |  |
| 56 / 55      | .1                                  | 2.2 | 3.1 | 1.9 | .8  | .6   | .1    |       |          |       |                                    |       |        |       |        |       |        | 69        | 69       | 58       | 57        |       |       |  |
| 54 / 53      | .1                                  | 2.1 | 2.7 | 1.3 | 1.3 |      |       |       |          |       |                                    |       |        |       |        |       |        | 58        | 58       | 39       | 48        |       |       |  |
| 52 / 51      | .3                                  | 1.2 | 2.2 | .9  | .3  | .1   |       |       |          |       |                                    |       |        |       |        |       |        | 38        | 38       | 48       | 37        |       |       |  |
| 51 / 49      |                                     | 1.7 | 3.0 | 1.7 | .8  | .1   |       |       |          |       |                                    |       |        |       |        |       |        | 56        | 56       | 58       | 42        |       |       |  |
| 48 / 47      |                                     | 1.3 | 1.8 | .9  | 1.0 | .5   |       |       |          |       |                                    |       |        |       |        |       |        | 43        | 43       | 56       | 38        |       |       |  |
| 46 / 45      |                                     | 2.3 | 2.8 | 1.8 | 1.2 |      |       |       |          |       |                                    |       |        |       |        |       |        | 63        | 63       | 48       | 49        |       |       |  |
| 44 / 43      |                                     | 1.7 | 1.3 | 2.1 | .5  |      |       |       |          |       |                                    |       |        |       |        |       |        | 43        | 43       | 47       | 33        |       |       |  |
| 42 / 41      |                                     | .4  | 1.8 | 1.6 |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 29        | 29       | 49       | 51        |       |       |  |
| 41 / 39      |                                     | .8  | 1.9 | 1.3 | .3  |      |       |       |          |       |                                    |       |        |       |        |       |        | 33        | 33       | 42       | 39        |       |       |  |
| 38 / 37      |                                     | .8  | 1.2 | .6  |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 20        | 20       | 55       | 51        |       |       |  |
| 36 / 35      |                                     | 1.0 | 1.2 | .4  |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 20        | 20       | 30       | 23        |       |       |  |
| 34 / 33      |                                     | .3  | .5  | .1  |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 7         | 7        | 24       | 33        |       |       |  |
| 32 / 31      |                                     | .1  | .1  |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 2         | 2        | 9        | 51        |       |       |  |
| 30 / 29      |                                     |     | .1  |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 1         | 1        | 8        | 30        |       |       |  |
| 28 / 27      |                                     |     | .1  | .1  |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 2         | 2        | 1        | 23        |       |       |  |
| 26 / 25      |                                     |     | .4  |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 3         | 3        | 1        | 10        |       |       |  |
| 24 / 23      |                                     |     | .1  |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 1         | 1        | 3        | 5         |       |       |  |
| 22 / 21      |                                     |     | .1  |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        | 1         | 1        | 2        | 5         |       |       |  |
| 20 / 19      |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          | 2        | 8         |       |       |  |
| 18 / 17      |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 4         |       |       |  |
| 16 / 15      |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 3         |       |       |  |
| 14 / 13      |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |       |       |  |
| 12 / 9       |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |       |       |  |
| Element (X)  | Σ x²                                |     | Σ x |     | Σ   |      | Σ²    |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |           |          |          |           |       |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≤ 6 F                              |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |           | ≥ 80 F   |          | ≥ 93 F    |       | Total |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |       |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |       |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |       |       |  |

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                                      STATION NAME

73-81

**YEARS**

MAR  
MONTH

PAGE 2

~~0600-0800~~  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |                |                |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|----------------|----------------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2            | 3-4            | 5-6            | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 6 / 7        |                                     |                |                |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | 2         |       |  |  |
| TOTAL        | 1.7                                 | 26.4           | 39.1           | 19.9           | 9.6      | 2.6                                | .8     |        |        |        |        |       |       |       |       |       |      |           | 773      |          | 773       |       |  |  |
|              |                                     |                |                |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      | 773       |          | 773      |           |       |  |  |
| Element (X)  | X <sub>1</sub>                      | X <sub>2</sub> | X <sub>3</sub> | X <sub>4</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |       |       |       |      |           |          |          |           |       |  |  |
| Rel. Hum.    | 4461003                             | 57833          | 74.8           | 13.225         | 773      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |       |       |       |       |      |           |          |          |           |       |  |  |
| Dry Bulb     | 2210563                             | 40727          | 52.7           | 9.710          | 773      |                                    | 1.2    | 6.9    | 1.4    |        |        | 93    |       |       |       |       |      |           |          |          |           |       |  |  |
| Wet Bulb     | 1914978                             | 37718          | 48.6           | 9.846          | 773      |                                    | 3.1    | 3.6    |        |        |        | 93    |       |       |       |       |      |           |          |          |           |       |  |  |
| Dew Point    | 1698710                             | 34482          | 44.6           | 11.802         | 773      |                                    | 17.2   | 2.3    |        |        |        | 93    |       |       |       |       |      |           |          |          |           |       |  |  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL

73-81

MAR  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       | TOTAL<br>D.B./W.B.                 | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|-------|------------------------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24          | 25-26 | 27-28 | 29-30 | ≥ 31                               | Dry Bulb | Wet Bulb | Dew Point |
| 81/ 81       |                                     |     |     |     |     | .2   | .1    | .1    |       |       |       |       |                |       |       |       | 4                                  | 4        |          |           |
| 79/ 79       |                                     |     |     |     | .8  | .1   |       | .2    |       | .1    | .1    |       |                |       |       |       | 12                                 | 12       |          |           |
| 77/ 77       |                                     |     |     |     | .5  | .1   | .6    | .1    | .1    | .4    |       |       |                |       |       |       | 15                                 | 15       |          |           |
| 76/ 75       |                                     |     | .2  | .4  |     | .2   | .4    | .2    | .1    |       |       |       |                |       |       |       | 16                                 | 16       |          |           |
| 74/ 73       |                                     |     | .5  | .5  | .8  | .4   | .5    | .8    | .2    | .1    |       |       |                |       |       |       | 32                                 | 32       | 2        |           |
| 72/ 71       |                                     | .2  | 1.1 | .7  | 1.4 | 1.2  | .6    | .5    | .5    | .2    | .1    |       |                |       |       |       | 55                                 | 55       | 13       |           |
| 71/ 69       |                                     | .1  | .8  | .4  | 1.7 | 1.0  | .6    | .7    | .2    | .8    |       |       |                |       |       |       | 53                                 | 53       | 18       | 11        |
| 68/ 67       |                                     | .2  | 1.7 | 1.4 | 1.1 | .4   | 1.1   | .8    | .4    |       |       |       |                |       |       |       | 59                                 | 59       | 17       | 15        |
| 66/ 65       |                                     | .4  | 1.3 | 2.0 | 1.0 | 1.0  | .8    | .5    | .4    |       |       |       |                |       |       |       | 61                                 | 61       | 30       | 16        |
| 64/ 63       |                                     | 1.0 | 1.4 | 1.6 | 1.1 | 1.2  | .8    | 1.1   | .1    |       |       |       |                |       |       |       | 69                                 | 69       | 56       | 15        |
| 62/ 61       | .2                                  | 1.0 | 1.8 | 1.0 | 1.4 | 1.0  | .8    | .8    | .1    |       |       |       |                |       |       |       | 68                                 | 68       | 61       | 35        |
| 61/ 59       | .2                                  | .7  | .5  | .8  | 1.4 | 1.0  | 1.6   | 1.2   |       |       |       |       |                |       |       |       | 62                                 | 62       | 76       | 45        |
| 58/ 57       | .1                                  | 1.4 | 1.1 | 1.1 | 1.9 | .8   | .6    | .7    | .2    |       |       |       |                |       |       |       | 67                                 | 67       | 54       | 54        |
| 56/ 55       | .1                                  | .8  | .7  | .5  | .5  | 1.1  | 1.8   | .1    |       |       |       |       |                |       |       |       | 47                                 | 47       | 63       | 59        |
| 54/ 53       |                                     | .4  | .8  | .8  | 1.1 | .8   | 1.0   | .2    |       |       |       |       |                |       |       |       | 43                                 | 43       | 66       | 38        |
| 52/ 51       |                                     |     | 1.0 | .6  | 1.3 | 1.1  | .8    |       |       |       |       |       |                |       |       |       | 40                                 | 40       | 56       | 43        |
| 51/ 49       |                                     | .6  | 1.2 | .5  | 1.9 | .8   | .4    |       |       |       |       |       |                |       |       |       | 45                                 | 45       | 50       | 40        |
| 48/ 47       |                                     | .8  | .5  | 1.3 | 1.0 | .6   |       |       |       |       |       |       |                |       |       |       | 35                                 | 35       | 53       | 42        |
| 46/ 45       |                                     | .5  | .5  | .5  | .6  | .4   |       |       |       |       |       |       |                |       |       |       | 20                                 | 20       | 54       | 43        |
| 44/ 43       |                                     | .1  | .2  | .2  | .5  | .1   |       |       |       |       |       |       |                |       |       |       | 10                                 | 10       | 56       | 42        |
| 42/ 41       |                                     |     | .1  | .5  | .5  | .1   |       |       |       |       |       |       |                |       |       |       | 10                                 | 10       | 45       | 45        |
| 41/ 39       |                                     |     |     |     | .2  |      |       |       |       |       |       |       |                |       |       |       | 2                                  | 2        | 26       | 33        |
| 38/ 37       |                                     |     |     | .2  | .1  | .1   |       |       |       |       |       |       |                |       |       |       | 4                                  | 4        | 14       | 28        |
| 36/ 35       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |                                    |          | 8        | 45        |
| 34/ 33       |                                     |     |     | .2  | .1  |      |       |       |       |       |       |       |                |       |       |       | 3                                  | 3        | 6        | 36        |
| 32/ 31       |                                     |     |     |     | .1  |      |       |       |       |       |       |       |                |       |       |       | 1                                  | 1        | 4        | 50        |
| 30/ 29       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |                                    |          | 2        | 26        |
| 28/ 27       |                                     |     | .2  |     |     |      |       |       |       |       |       |       |                |       |       |       | 2                                  | 2        | 2        | 20        |
| 26/ 25       |                                     |     | .1  |     |     |      |       |       |       |       |       |       |                |       |       |       | 1                                  | 1        |          | 17        |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |                                    |          | 4        | 10        |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |                                    |          |          | 10        |
| 20/ 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |                                    |          |          | 10        |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |                                    |          |          | 2         |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |                                    |          |          | 3         |
| Element (X)  | Σ x <sup>2</sup>                    |     |     |     | Σ x |      |       |       | X     |       |       |       | σ <sub>x</sub> |       |       |       | No. Obs.                           |          |          |           |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       | Mean No. of Hours with Temperature |          |          |           |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       | ≤ 60 F         |       |       |       | ≥ 67 F                             |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       | ≤ 32 F         |       |       |       | ≥ 67 F                             |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       | ≤ 67 F         |       |       |       | ≥ 73 F                             |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       | ≤ 80 F         |       |       |       | ≥ 93 F                             |          |          |           |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       | Total                              |          |          |           |

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

722265

MAXWELL AFB AL

**73-81**

**MAD**

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1200-1400

HOURS (L, S, T, )

[illegible]

20

○

YEARS

     MAR

PAGE 2 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |                |      |                |          |                                    |        |        |        |        |        |       |       |     |       |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-----|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2            | 3-4  | 5-6            | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25- | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| 15 / 17      |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |     |       |       |      |           |          |          | 6         |       |  |  |
| 16 / 15      |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |     |       |       |      |           |          |          | 4         |       |  |  |
| 14 / 13      |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |     |       |       |      |           |          |          | 2         |       |  |  |
| TOTAL        | .1                                  | 4.2            | 10.3 | 6.5            | 9.6      | 10.8                               | 13.0   | 16.8   | 13.5   | 8.4    | 4.4    | 1.8   | .7    |     |       |       |      |           | 837      |          | 837       |       |  |  |
|              |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |     |       |       |      |           | 837      |          | 837       |       |  |  |
| Element (X)  | Z <sub>N</sub> <sup>2</sup>         | Z <sub>K</sub> | X    | c <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        |       |       |     |       |       |      |           |          |          |           |       |  |  |
| Rel. Hum.    | 2300372                             | 40766          | 48.7 | 19.407         | 837      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |       |     |       |       |      |           |          |          |           |       |  |  |
| Dry Bulb     | 3803407                             | 55829          | 66.7 | 9.754          | 837      |                                    | .1     | 49.1   | 29.2   | 8.3    |        | 93    |       |     |       |       |      |           |          |          |           |       |  |  |
| Wet Bulb     | 2633153                             | 46397          | 55.4 | 8.559          | 837      |                                    | .3     | 8.4    | .8     |        |        | 93    |       |     |       |       |      |           |          |          |           |       |  |  |
| Dew Point    | 1818985                             | 37547          | 44.9 | 12.691         | 837      |                                    | 19.0   | 2.8    |        |        |        | 93    |       |     |       |       |      |           |          |          |           |       |  |  |

0-26-5 (OL A)

USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

MAR  
MONTH

PAGE 1

1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 38/ 87       |                                     |     |     |     |     |      |       |       |       |       | .2       |       |                                    |        |        |        |        | 2         | 2        |          |           |       |       |  |  |
| 36/ 85       |                                     |     |     |     |     |      |       | .1    |       | .1    | .4       |       |                                    |        |        |        |        | 6         | 6        |          |           |       |       |  |  |
| 44/ 83       |                                     |     |     |     |     |      | .1    | .7    | .1    | 1.0   | .6       | .4    | .1                                 |        |        |        |        | 25        | 25       |          |           |       |       |  |  |
| 42/ 81       |                                     |     |     |     |     |      | .7    | .8    | .2    | .4    | .8       | .2    | .4                                 |        |        |        |        | 30        | 30       |          |           |       |       |  |  |
| 5 / 79       |                                     |     |     | .2  | .5  | .8   | 1.0   | .5    | .5    | 1.6   | .6       | .4    | .1                                 |        |        |        |        | 51        | 51       |          |           |       |       |  |  |
| 7 / 77       |                                     |     |     |     | .2  | .4   | .6    | .8    | 1.9   | 1.6   | .4       | .5    |                                    |        |        |        |        | 53        | 53       |          |           |       |       |  |  |
| 76/ 75       |                                     |     | .1  | .2  | .7  | .4   | .7    | 1.1   | 2.2   | 1.6   | .5       |       |                                    |        |        |        |        | 62        | 62       |          |           |       |       |  |  |
| 74/ 73       |                                     |     | .2  | .6  | .6  | 1.0  | .7    | 1.1   | 1.3   | 1.6   | .8       | .5    |                                    |        |        |        |        | 70        | 70       | 5        |           |       |       |  |  |
| 71/ 71       |                                     |     | .5  | .2  | .7  |      | .4    | 1.0   | 1.0   | 1.0   | 1.6      | .2    |                                    |        |        |        |        | 54        | 54       | 15       |           |       |       |  |  |
| 7 / 69       |                                     |     |     | 1.1 | .1  | .4   | 1.2   | .6    | 1.0   | 1.3   | 1.2      |       |                                    |        |        |        |        | 57        | 57       | 26       | 7         |       |       |  |  |
| 61/ 67       |                                     | .2  | 1.3 |     | .4  | .5   | 1.4   | .5    | 1.3   | 1.4   | .1       | .1    |                                    |        |        |        |        | 61        | 61       | 39       | 9         |       |       |  |  |
| 66/ 65       |                                     | .4  | 1.0 | .7  | .1  | .6   | .5    | .2    | 2.2   | 1.0   | .1       |       |                                    |        |        |        |        | 56        | 56       | 33       | 20        |       |       |  |  |
| 64/ 63       |                                     | .7  | 1.1 | .6  | .1  | .5   | .7    | 1.3   | 1.4   | .5    | .1       |       |                                    |        |        |        |        | 59        | 59       | 70       | 26        |       |       |  |  |
| 62/ 61       |                                     | .5  | 1.7 | .1  |     | .7   | .8    | 1.2   | 2.2   | .1    |          |       |                                    |        |        |        |        | 61        | 61       | 71       | 46        |       |       |  |  |
| 51/ 59       |                                     | 1.3 | 1.6 | .2  |     | .4   | .6    | 1.1   | 1.0   |       |          |       |                                    |        |        |        |        | 51        | 51       | 79       | 31        |       |       |  |  |
| 56/ 57       |                                     | .5  | .6  |     | .5  | .2   | .7    | .6    | .1    |       |          |       |                                    |        |        |        |        | 27        | 27       | 89       | 33        |       |       |  |  |
| 51/ 55       |                                     | .2  | .6  | .6  | .4  | .2   | .4    | 1.3   |       |       |          |       |                                    |        |        |        |        | 31        | 31       | 54       | 41        |       |       |  |  |
| 54/ 53       |                                     |     | .2  | .4  | .5  | .5   | .4    |       |       |       |          |       |                                    |        |        |        |        | 16        | 16       | 47       | 36        |       |       |  |  |
| 72/ 51       |                                     |     | .6  | .1  | .7  | .2   | .5    | .1    |       |       |          |       |                                    |        |        |        |        | 19        | 19       | 59       | 48        |       |       |  |  |
| 51/ 49       |                                     | .4  | .7  | .5  | .2  |      | .4    | .2    |       |       |          |       |                                    |        |        |        |        | 20        | 20       | 67       | 52        |       |       |  |  |
| 47/ 47       |                                     |     | .2  | .2  | .4  |      | .1    |       |       |       |          |       |                                    |        |        |        |        | 8         | 8        | 60       | 38        |       |       |  |  |
| 41/ 45       |                                     |     | .1  |     | .1  | .5   |       |       |       |       |          |       |                                    |        |        |        |        | 6         | 6        | 50       | 51        |       |       |  |  |
| 44/ 43       |                                     | .2  | .1  |     |     | .1   |       |       |       |       |          |       |                                    |        |        |        |        | 4         | 4        | 27       | 41        |       |       |  |  |
| 42/ 41       |                                     | .1  | .2  |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        | 3         | 3        | 20       | 26        |       |       |  |  |
| 41/ 39       |                                     |     | .1  |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        | 1         | 1        | 8        | 41        |       |       |  |  |
| 38/ 37       |                                     | .1  |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        | 1         | 1        | 8        | 32        |       |       |  |  |
| 36/ 35       |                                     |     |     |     | .2  |      |       |       |       |       |          |       |                                    |        |        |        |        | 2         | 2        | 6        | 35        |       |       |  |  |
| 34/ 33       |                                     |     |     |     | .1  |      |       |       |       |       |          |       |                                    |        |        |        |        | 1         | 1        | 1        | 39        |       |       |  |  |
| 72/ 31       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 51        |       |       |  |  |
| 3 / 29       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 31        |       |       |  |  |
| 26/ 27       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          | 2        | 30        |       |       |  |  |
| 21/ 25       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          | 1        | 26        |       |       |  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 14        |       |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          | 12        |       |       |  |  |
| Element (X)  | Σ x <sup>2</sup>                    |     | Σ x |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |           |          |          |           |       |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F    | Total    |          |           |       |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |           |          |          |           |       |       |  |  |

FORM 0-26-5 (OLAI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

73-81

**YEARS**

MAR  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          | TOTAL     | TOTAL |  |  |
|--------------|-------------------------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
|              | 0                                   | 1-2            | 3-4  | 5-6            | 7-8      | 9-10                               | 11-12  | 13-14  | 15-16  | 17-18  | 19-20  | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |
| ✓ / 19       |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           | 8     |  |  |
| / / 17       |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           | 4     |  |  |
| 1 / 15       |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           | 3     |  |  |
| / / 13       |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           | 2     |  |  |
| 1 / 11       |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           | 3     |  |  |
| - / 7        |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      |           |          |          |           | 1     |  |  |
| TOTAL        | 4.7                                 | 11.0           | 5.9  | 6.6            | 8.1      | 11.8                               | 12.7   | 16.4   | 13.4   | 6.6    | 2.3    | .7    |       |       |       |       |      | A37       | 837      |          | 837       |       |  |  |
|              |                                     |                |      |                |          |                                    |        |        |        |        |        |       |       |       |       |       |      | B37       |          | B37      |           |       |  |  |
| Element (X)  | Z <sub>K'</sub>                     | Z <sub>X</sub> | X    | C <sub>R</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |       |       |       |       |      |           |          |          |           |       |  |  |
| Rel. Hum.    | 2195471                             | 39287          | 46.9 | 20.503         | 837      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |       |       |       |       |      |           |          |          |           |       |  |  |
| Dry Bulb     | 3905515                             | 56595          | 67.6 | 9.706          | 837      |                                    |        | 52.3   | 33.2   | 9.7    |        | 93    |       |       |       |       |      |           |          |          |           |       |  |  |
| Wet Bulb     | 2651570                             | 46590          | 55.7 | 8.346          | 837      |                                    | .3     | 9.4    | .6     |        |        | 93    |       |       |       |       |      |           |          |          |           |       |  |  |
| Dew Point    | 1786680                             | 37146          | 44.4 | 12.855         | 837      |                                    | 20.6   | 1.8    |        |        |        | 93    |       |       |       |       |      |           |          |          |           |       |  |  |

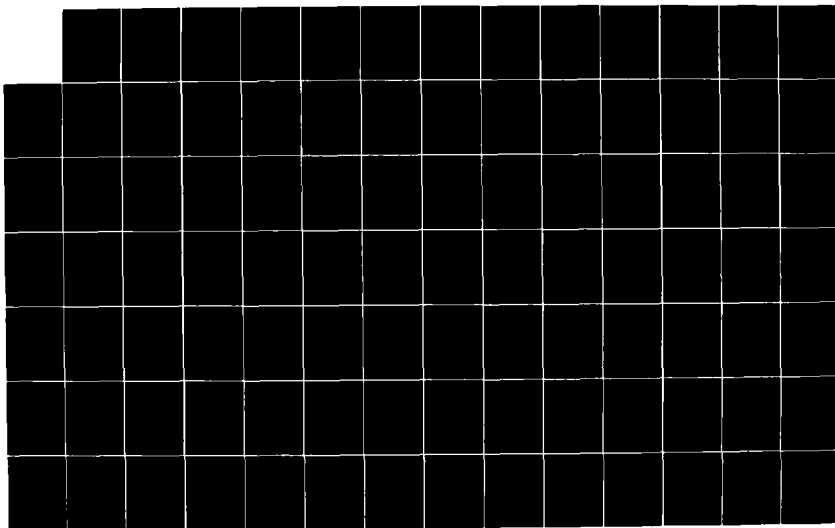
AD-A122 716

MAXWELL AFB ALABAMA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 24 AUG 82  
UNCLASSIFIED USAFETAC/DS-82/061 SBI-AD-EBBO 208

F/G 4/2

NL

4/5





## PSYCHROMETRIC SUMMARY

**YEARS**

MAR  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

2

○

**YEARS**

PAGE 2 1800-2000  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
AS 44

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

YEARS

MAR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 |          |                 | TOTAL | TOTAL |     |  |
|--------------|-------------------------------------|------|----------------|------|----------------|------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-----------|-----------------|----------|-----------------|-------|-------|-----|--|
|              | 0                                   | 1-2  | 3-4            | 5-6  | 7-8            | 9-10 | 11-12          | 13-14 | 15-16          | 17-18 | 19-20          | 21-22 | 23-24          | 25-26 | 27-28          | 29-30 | 31             | D.B./W.B. | Dry Bulb        | Wet Bulb | Dew Point       |       |       |     |  |
| 76/ 75       |                                     |      | .1             | .8   |                |      |                |       |                |       | .1             |       |                |       |                |       |                | 8         | 8               |          |                 |       |       |     |  |
| 74/ 73       |                                     |      | .5             | .9   | .1             | .1   |                |       |                |       |                |       |                |       |                |       |                | 13        | 13              |          |                 |       |       |     |  |
| 72/ 71       |                                     | .1   | 1.1            | .5   | .9             | .1   |                | .3    |                | .1    |                |       |                |       |                |       |                | 24        | 24              | 4        |                 |       |       |     |  |
| 70/ 69       |                                     |      | .8             | .7   | .7             | .3   | .9             |       | .1             |       |                |       |                |       |                |       |                | 26        | 26              | 13       | 5               |       |       |     |  |
| 68/ 67       |                                     | .5   | 2.3            | 1.1  | .8             | 1.4  | .1             |       | .1             |       |                |       |                |       |                |       |                | 47        | 47              | 15       | 13              |       |       |     |  |
| 66/ 65       |                                     | 1.5  | 1.2            | 1.5  | 2.3            | .7   | .1             | .5    |                |       |                |       |                |       |                |       |                | 58        | 58              | 27       | 10              |       |       |     |  |
| 64/ 63       |                                     | 1.1  | 2.2            | .9   | 1.4            | 1.4  | .3             | .1    | .1             |       |                |       |                |       |                |       |                | 55        | 55              | 31       | 30              |       |       |     |  |
| 62/ 61       | .1                                  | 1.2  | 1.2            | 1.4  | 1.2            | 1.1  | .5             | .4    |                |       |                |       |                |       |                |       |                | 53        | 53              | 35       | 24              |       |       |     |  |
| 60/ 59       |                                     | 1.5  | 1.2            | 1.4  | 1.2            | 1.4  | 1.4            | .1    |                |       |                |       |                |       |                |       |                | 60        | 60              | 48       | 30              |       |       |     |  |
| 58/ 57       |                                     | 1.5  | 1.6            | 2.0  | 1.2            | 1.9  | .3             |       |                |       |                |       |                |       |                |       |                | 63        | 63              | 68       | 36              |       |       |     |  |
| 56/ 55       |                                     | 1.8  | 2.3            | 2.0  | 1.6            | .7   | .1             |       |                |       |                |       |                |       |                |       |                | 63        | 63              | 47       | 36              |       |       |     |  |
| 54/ 53       |                                     | .5   | 2.2            | 1.6  | 1.2            | .7   | .4             |       |                |       |                |       |                |       |                |       |                | 49        | 49              | 47       | 39              |       |       |     |  |
| 52/ 51       |                                     | 1.2  | 1.2            | 2.0  | 1.2            | 1.5  | .4             |       |                |       |                |       |                |       |                |       |                | 56        | 56              | 66       | 42              |       |       |     |  |
| 50/ 49       |                                     | .3   | 1.6            | 1.6  | 1.8            | .7   | .1             |       |                |       |                |       |                |       |                |       |                | 45        | 45              | 71       | 50              |       |       |     |  |
| 48/ 47       |                                     | .3   | 1.4            | 1.8  | 1.4            | .5   |                |       |                |       |                |       |                |       |                |       |                | 39        | 39              | 55       | 53              |       |       |     |  |
| 46/ 45       |                                     |      | 1.1            | 1.2  | .9             | .1   |                |       |                |       |                |       |                |       |                |       |                | 25        | 25              | 40       | 42              |       |       |     |  |
| 44/ 43       |                                     |      | .3             | 2.4  | .7             | .1   |                |       |                |       |                |       |                |       |                |       |                | 26        | 26              | 40       | 34              |       |       |     |  |
| 42/ 41       |                                     |      | .8             | .3   | .3             |      |                |       |                |       |                |       |                |       |                |       |                | 10        | 10              | 45       | 30              |       |       |     |  |
| 40/ 39       |                                     | .3   | .3             | .3   |                |      |                |       |                |       |                |       |                |       |                |       |                | 6         | 6               | 29       | 54              |       |       |     |  |
| 38/ 37       |                                     |      | .4             | .1   | .1             |      |                |       |                |       |                |       |                |       |                |       |                | 5         | 5               | 34       | 42              |       |       |     |  |
| 36/ 35       |                                     |      |                | .1   |                |      |                |       |                |       |                |       |                |       |                |       |                | 1         | 1               | 8        | 31              |       |       |     |  |
| 34/ 33       |                                     |      |                | .1   |                |      |                |       |                |       |                |       |                |       |                |       |                | 1         | 1               | 5        | 20              |       |       |     |  |
| 32/ 31       |                                     |      | .4             |      |                |      |                |       |                |       |                |       |                |       |                |       |                | 3         | 3               | 3        | 42              |       |       |     |  |
| 30/ 29       |                                     |      | .1             | .3   |                |      |                |       |                |       |                |       |                |       |                |       |                | 3         | 3               | 2        | 18              |       |       |     |  |
| 28/ 27       |                                     |      |                | .1   |                |      |                |       |                |       |                |       |                |       |                |       |                | 1         | 1               | 3        | 28              |       |       |     |  |
| 26/ 25       |                                     |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 | 1        | 7               |       |       |     |  |
| 24/ 23       |                                     |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 |          | 3               |       |       |     |  |
| 22/ 21       |                                     |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 |          | 5               |       |       |     |  |
| 20/ 19       |                                     |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 |          | 5               |       |       |     |  |
| 18/ 17       |                                     |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 |          | 5               |       |       |     |  |
| 16/ 15       |                                     |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 |          | 3               |       |       |     |  |
| 14/ 13       |                                     |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 |          | 740             |       |       |     |  |
| TOTAL        | .1                                  | 11.8 | 24.3           | 25.0 | 19.3           | 12.6 | 4.7            | 1.5   | .4             | .1    | .1             |       |                |       |                |       |                | 740       | 740             |          | 740             |       |       |     |  |
|              |                                     |      |                |      |                |      |                |       |                |       |                |       |                |       |                |       |                |           |                 |          |                 | 740   |       | 740 |  |
| Element (X)  | Σ <sub>1</sub>                      |      | Σ <sub>2</sub> |      | Σ <sub>3</sub> |      | Σ <sub>4</sub> |       | Σ <sub>5</sub> |       | Σ <sub>6</sub> |       | Σ <sub>7</sub> |       | Σ <sub>8</sub> |       | Σ <sub>9</sub> |           | Σ <sub>10</sub> |          | Σ <sub>11</sub> |       |       |     |  |
| Ref. Num.    | 3417768                             |      | 48932          |      | 66.1           |      | 15.701         |       | 740            |       | ± 0 F          |       | ± 32 F         |       | ± 67 F         |       | ± 73 F         |           | ± 80 F          |          | ± 93 F          |       |       |     |  |
| Dry Bulb     | 2495208                             |      | 42477          |      | 57.4           |      | 8.780          |       | 740            |       |                |       | .9             |       | 14.8           |       | 2.6            |           |                 |          |                 |       |       |     |  |
| Wet Bulb     | 2025038                             |      | 38134          |      | 51.5           |      | 9.003          |       | 740            |       |                |       | 1.5            |       | 4.0            |       |                |           |                 |          |                 |       |       |     |  |
| Dew Point    | 1637062                             |      | 33704          |      | 45.8           |      | 11.747         |       | 740            |       |                |       | 15.0           |       | 2.3            |       |                |           |                 |          |                 |       |       |     |  |

FORM 6-26-5 (OL A) REVERSE REVISIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

YEAR

MAR  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |          |          |           |     | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|-----------|-----|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | Dry Bulb | Wet Bulb | Dew Point |     |                    |       |  |  |
| 88/ 87       |                                     |     |     |     |     |      |       |       |          |       |                                    | .0     |        |        |        |        |       | 2        | 2        |           |     |                    |       |  |  |
| 86/ 85       |                                     |     |     |     |     |      |       | .0    | .0       | .1    | .0                                 | .1     | .0     |        |        |        |       | 16       | 16       |           |     |                    |       |  |  |
| 84/ 83       |                                     |     |     |     |     |      | .0    | .1    | .2       | .1    | .3                                 | .1     | .1     | .0     |        |        |       | 49       | 49       |           |     |                    |       |  |  |
| 82/ 81       |                                     |     |     |     | .0  | .2   | .2    | .1    | .1       | .2    | .0                                 | .1     | .1     |        |        |        |       | 52       | 52       |           |     |                    |       |  |  |
| 80/ 79       |                                     |     |     | .0  | .5  | .3   | .2    | .3    | .2       | .4    | .2                                 | .1     | .0     |        |        |        |       | 113      | 113      |           |     |                    |       |  |  |
| 78/ 77       |                                     |     |     | .0  | .3  | .2   | .4    | .3    | .7       | .6    | .2                                 | .1     | .0     |        |        |        |       | 137      | 137      |           |     |                    |       |  |  |
| 76/ 75       |                                     |     | .1  | .5  | .3  | .4   | .4    | .7    | .7       | .3    | .2                                 |        |        | .0     |        |        |       | 183      | 183      |           |     |                    |       |  |  |
| 74/ 73       |                                     |     | .3  | .6  | .5  | .6   | .4    | .7    | .5       | .5    | .3                                 | .1     |        |        |        |        |       | 219      | 219      | 15        |     |                    |       |  |  |
| 72/ 71       |                                     | .2  | .7  | .4  | .8  | .5   | .6    | .5    | .5       | .5    | .4                                 | .0     |        |        |        |        |       | 249      | 249      | 59        |     |                    |       |  |  |
| 70/ 69       |                                     | .1  | .6  | .7  | .7  | .7   | 1.0   | .5    | .5       | .6    | .3                                 |        |        |        |        |        |       | 276      | 276      | 116       | 37  |                    |       |  |  |
| 68/ 67       |                                     | .3  | 1.4 | .7  | .7  | .7   | .9    | .6    | .6       | .5    | .0                                 | .0     |        |        |        |        |       | 308      | 308      | 122       | 79  |                    |       |  |  |
| 66/ 65       |                                     | .7  | 1.2 | 1.0 | .8  | .7   | .5    | .5    | .9       | .3    | .0                                 |        |        |        |        |        |       | 327      | 327      | 176       | 88  |                    |       |  |  |
| 64/ 63       | .0                                  | .9  | 1.4 | .8  | .7  | .8   | .7    | 1.0   | .6       | .1    | .0                                 |        |        |        |        |        |       | 343      | 343      | 286       | 128 |                    |       |  |  |
| 62/ 61       | .1                                  | 1.2 | 1.7 | .7  | .7  | .8   | .7    | .9    | .7       | .0    |                                    |        |        |        |        |        |       | 366      | 366      | 337       | 195 |                    |       |  |  |
| 60/ 59       | .1                                  | 1.2 | 1.4 | .7  | .7  | .7   | 1.0   | .8    | .3       |       |                                    |        |        |        |        |        |       | 335      | 335      | 406       | 210 |                    |       |  |  |
| 58/ 57       | .1                                  | 1.4 | 1.2 | .8  | 1.2 | .7   | .6    | .7    | .1       |       |                                    |        |        |        |        |        |       | 336      | 336      | 417       | 256 |                    |       |  |  |
| 56/ 55       | .3                                  | .9  | 1.4 | 1.0 | .8  | .7   | .9    | .5    |          |       |                                    |        |        |        |        |        |       | 306      | 306      | 339       | 278 |                    |       |  |  |
| 54/ 53       | .0                                  | .6  | 1.1 | .7  | .8  | .6   | .6    | .1    |          |       |                                    |        |        |        |        |        |       | 227      | 227      | 315       | 250 |                    |       |  |  |
| 52/ 51       | .0                                  | .4  | 1.0 | .7  | .9  | .7   | .4    | .0    |          |       |                                    |        |        |        |        |        |       | 204      | 204      | 353       | 263 |                    |       |  |  |
| 50/ 49       |                                     | .6  | 1.4 | .9  | .9  | .5   | .3    | .0    |          |       |                                    |        |        |        |        |        |       | 224      | 224      | 375       | 278 |                    |       |  |  |
| 48/ 47       |                                     | .5  | .9  | .8  | .8  | .3   | .1    |       |          |       |                                    |        |        |        |        |        |       | 161      | 161      | 337       | 269 |                    |       |  |  |
| 46/ 45       |                                     | .5  | .7  | .7  | .5  | .3   | .0    |       |          |       |                                    |        |        |        |        |        |       | 136      | 136      | 304       | 272 |                    |       |  |  |
| 44/ 43       |                                     | .3  | .3  | .8  | .4  | .1   |       |       |          |       |                                    |        |        |        |        |        |       | 96       | 96       | 259       | 217 |                    |       |  |  |
| 42/ 41       |                                     | .1  | .5  | .4  | .1  | .0   |       |       |          |       |                                    |        |        |        |        |        |       | 56       | 56       | 210       | 244 |                    |       |  |  |
| 40/ 39       |                                     | .2  | .4  | .2  | .1  |      |       |       |          |       |                                    |        |        |        |        |        |       | 47       | 47       | 136       | 240 |                    |       |  |  |
| 38/ 37       |                                     | .1  | .2  | .2  | .1  | .0   |       |       |          |       |                                    |        |        |        |        |        |       | 32       | 32       | 124       | 228 |                    |       |  |  |
| 36/ 35       |                                     | .2  | .2  | .1  | .1  |      |       |       |          |       |                                    |        |        |        |        |        |       | 25       | 25       | 72        | 216 |                    |       |  |  |
| 34/ 33       |                                     | .0  | .1  | .1  | .0  |      |       |       |          |       |                                    |        |        |        |        |        |       | 15       | 15       | 43        | 199 |                    |       |  |  |
| 32/ 31       |                                     | .0  | .1  | .1  | .0  |      |       |       |          |       |                                    |        |        |        |        |        |       | 10       | 10       | 19        | 295 |                    |       |  |  |
| 30/ 29       |                                     |     | .0  | .0  |     |      |       |       |          |       |                                    |        |        |        |        |        |       | 4        | 4        | 15        | 150 |                    |       |  |  |
| 28/ 27       |                                     |     | .1  | .0  |     |      |       |       |          |       |                                    |        |        |        |        |        |       | 5        | 5        | 9         | 154 |                    |       |  |  |
| 26/ 25       |                                     |     | .1  |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       | 4        | 4        | 7         | 108 |                    |       |  |  |
| 24/ 23       |                                     |     | .0  |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       | 1        | 1        | 10        | 57  |                    |       |  |  |
| 22/ 21       |                                     |     | .0  |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       | 1        | 1        | 2         | 47  |                    |       |  |  |
| Element (X)  | Σx²                                 |     | Σx  |     | Σ   |      | °     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |          |          |           |     |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |          |          |           |     |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |          |          |           |     |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |          |          |           |     |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |       |          |          |           |     |                    |       |  |  |

FORM 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

MAR  
MONTH

**ALL**  
**HOURS (L. S. T.)**

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |    |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|----|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |    |  |  |       |  |       |  |  |
| 19 / 19      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         | 46 |  |  |       |  |       |  |  |
| 18 / 17      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 25 |  |  |       |  |       |  |  |
| 18 / 15      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 11 |  |  |       |  |       |  |  |
| 14 / 13      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 8  |  |  |       |  |       |  |  |
| 11 / 11      |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 5  |  |  |       |  |       |  |  |
| 9 / 9        |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 4  |  |  |       |  |       |  |  |
| 7 / 7        |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           | 8  |  |  |       |  |       |  |  |
| TOTAL        | .5                                  | 10.4 | 18.7 | 13.7 | 13.5 | 10.8 | 10.1  | 8.6   | 6.5   | 4.3   | 2.1   | .7    | .2    |       |       |       |      | 4865      | 4865     |          | 4865      |    |  |  |       |  |       |  |  |
|              |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 4865      |          | 4865     |           |    |  |  |       |  |       |  |  |

2

C

APR  
MONTH

G

C

Q

Q

6

C

9

C

Q

0

11

9

○

0-26-5 (OL A)

[illegible]

2

**YEARS**

73-81

APR  
MONTH

4900-010  
HOURS 1 5 9

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 66/ 85       |                                     |     |     |      |      |      |       | .1    |       |       | .6    |       |       |       |       |       |     | 6        | 6        |           |                    |       |  |  |
| 64/ 83       |                                     |     |     |      |      | .1   | .5    | .1    | .1    | .5    | .4    |       |       |       |       |       |     | 14       | 14       |           |                    |       |  |  |
| 62/ 81       |                                     |     |     |      |      | .1   | .6    | .1    | .7    | .6    | .2    |       |       |       |       |       |     | 20       | 20       |           |                    |       |  |  |
| 60/ 79       |                                     |     |     |      | .1   | 1.4  | .7    | 1.0   | 1.1   | .6    | .4    |       |       |       |       |       |     | 43       | 43       |           |                    |       |  |  |
| 70/ 77       |                                     |     |     | .2   | 1.4  | 1.1  | 1.1   | 1.4   | .7    | .5    | .1    |       |       |       |       |       |     | 53       | 53       |           |                    |       |  |  |
| 76/ 75       |                                     | .2  | 1.1 | 1.5  | 2.0  | 2.0  | 1.4   | 1.0   | .5    | .1    |       |       |       |       |       |       |     | 79       | 79       |           |                    |       |  |  |
| 74/ 73       |                                     |     |     | 1.7  | 2.0  | 1.7  | 2.2   | .9    | .2    | .5    |       |       |       |       |       |       |     | 75       | 75       | 2         |                    |       |  |  |
| 72/ 71       |                                     | .1  | .9  | 1.7  | 1.1  | 1.7  | 1.4   | .6    | 1.4   | .7    |       |       |       |       |       |       |     | 78       | 78       | 18        |                    |       |  |  |
| 70/ 69       |                                     | .1  | .9  | 1.4  | 1.1  | 1.5  | 1.1   | 1.6   | .7    | .5    |       |       |       |       |       |       |     | 72       | 72       | 41        |                    |       |  |  |
| 68/ 67       |                                     | .2  | 1.2 | 1.5  | 1.2  | 1.1  | 1.5   | 2.0   | .7    |       |       |       |       |       |       |       |     | 77       | 77       | 61        |                    |       |  |  |
| 66/ 65       | .2                                  | .5  | .9  | 1.5  | .9   | 1.6  | 1.9   | .7    | .5    | .1    |       |       |       |       |       |       |     | 71       | 71       | 86        |                    |       |  |  |
| 64/ 63       | .1                                  | .6  | .7  | 1.2  | 1.2  | .7   | 1.1   | 1.5   | .6    |       |       |       |       |       |       |       |     | 64       | 64       | 93        |                    |       |  |  |
| 62/ 61       |                                     | .2  | .6  | .6   | .9   | 1.1  | 1.0   | 1.0   | .1    |       |       |       |       |       |       |       |     | 45       | 45       | 93        |                    |       |  |  |
| 60/ 59       |                                     | .4  | .4  | .2   | .5   | .7   | 1.0   | .4    |       |       |       |       |       |       |       |       |     | 29       | 29       | 67        |                    |       |  |  |
| 58/ 57       |                                     | .1  | .2  | .5   | 1.0  | 1.0  | .6    | .1    |       |       |       |       |       |       |       |       |     | 29       | 29       | 63        |                    |       |  |  |
| 56/ 55       |                                     | .1  | .7  | .4   | .6   | .1   | .5    | .1    |       |       |       |       |       |       |       |       |     | 21       | 21       | 64        |                    |       |  |  |
| 54/ 53       |                                     | .2  | .2  | .1   | .1   | .2   | .1    |       |       |       |       |       |       |       |       |       |     | 9        | 9        | 66        |                    |       |  |  |
| 52/ 51       | .1                                  | .1  | .1  | .1   | .1   | .2   | .2    |       |       |       |       |       |       |       |       |       |     | 9        | 9        | 46        |                    |       |  |  |
| 50/ 49       |                                     |     |     |      | .5   | .5   |       |       |       |       |       |       |       |       |       |       |     | 8        | 8        | 45        |                    |       |  |  |
| 48/ 47       |                                     |     |     | .1   | .1   | .1   |       |       |       |       |       |       |       |       |       |       |     | 3        | 3        | 29        |                    |       |  |  |
| 46/ 45       |                                     |     |     |      | .1   |      |       |       |       |       |       |       |       |       |       |       |     | 1        | 1        | 6         |                    |       |  |  |
| 44/ 43       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          | 8         |                    |       |  |  |
| 42/ 41       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          | 13        |                    |       |  |  |
| 40/ 39       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          | 4         |                    |       |  |  |
| 38/ 37       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          | 1         |                    |       |  |  |
| 36/ 35       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |                    |       |  |  |
| 34/ 33       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |                    |       |  |  |
| 32/ 31       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |                    |       |  |  |
| 30/ 29       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |                    |       |  |  |
| 28/ 27       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |                    |       |  |  |
| 26/ 25       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |                    |       |  |  |
| 24/ 23       |                                     |     |     |      |      |      |       |       |       |       |       |       |       |       |       |       |     |          |          |           |                    |       |  |  |
| TOTAL        | .5                                  | 2.9 | 7.2 | 12.5 | 14.5 | 17.2 | 17.6  | 13.0  | 8.1   | 4.4   | 1.9   |       |       |       |       |       |     | 806      | 806      | 806       |                    |       |  |  |

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

722265  
STATIONMAXWELL AFB AL  
STATION NAME

73-81

YEARS

APR  
MONTHPAGE 1 1200-1800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        | TOTAL<br>D.B./W.B. | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|--------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31               | Dry Bulb | Wet Bulb | Dew Point |
| 89           |                                     |     |     |     |     |      |       |       | .1       |       |                                    | .4     | .2     |        |        |        |                    | 6        | 6        |           |
| 87           |                                     |     |     |     |     |      |       |       | .4       |       | .7                                 | .7     | .1     | .4     |        |        |                    | 19       | 19       |           |
| 85           |                                     |     |     |     |     |      |       | 1.6   | .7       | .4    | 1.5                                | 1.2    | .5     |        |        |        |                    | 48       | 48       |           |
| 83           |                                     |     |     |     |     |      | .2    | 1.0   | 1.6      | 1.1   | 1.5                                | 1.1    | .1     |        |        |        |                    | 54       | 54       |           |
| 81           |                                     |     |     |     |     | .1   | 1.5   | 2.1   | 1.5      | 1.7   | 2.7                                | .9     | .1     | .1     |        |        |                    | 87       | 87       |           |
| 79           |                                     |     |     | .1  |     | 1.4  | 1.9   | 1.4   | .7       | 1.9   | 1.4                                | .2     |        |        |        |        |                    | 72       | 72       |           |
| 77           |                                     |     |     | .5  | .6  | 1.4  | 1.1   | 1.2   | 1.1      | 1.7   | 1.5                                | .9     |        |        |        |        |                    | 81       | 81       |           |
| 75           |                                     |     | .1  | .5  | .4  | 1.4  | 1.1   | 1.1   | .9       | 1.1   | 2.0                                | .1     |        |        |        |        |                    | 70       | 70       |           |
| 73           |                                     |     | .1  | .6  | .6  | .5   | 1.1   | .6    | 1.0      | 1.6   | 1.2                                | .1     |        |        |        |        |                    | 61       | 61       | 4         |
| 71           |                                     |     | .5  | .9  | .6  | .5   | .5    | .6    | 2.0      | 2.0   | .1                                 |        |        |        |        |        |                    | 62       | 62       | 28        |
| 69           |                                     |     | .6  | 1.5 | .2  | .6   | 1.1   | 1.5   | 1.1      | 1.2   | .2                                 |        |        |        |        |        |                    | 66       | 66       | 65        |
| 67           |                                     | .4  | .7  | .5  | .1  | .4   | .2    | .6    | 1.4      | .7    |                                    |        |        |        |        |        |                    | 41       | 41       | 77        |
| 65           |                                     | .7  | .5  | .9  | .1  | .6   | .5    | 1.5   | 1.2      |       |                                    |        |        |        |        |        |                    | 49       | 49       | 97        |
| 63           | .1                                  | .2  | .5  | .4  | .6  | .4   | .6    | .6    | .1       |       |                                    |        |        |        |        |        |                    | 29       | 29       | 97        |
| 61           |                                     | .4  | .6  | .5  | .1  | .7   |       | .2    |          |       |                                    |        |        |        |        |        |                    | 21       | 21       | 92        |
| 59           |                                     | .2  | .2  | .4  | .4  | .4   |       | .4    | .2       |       |                                    |        |        |        |        |        |                    | 15       | 15       | 57        |
| 57           |                                     | .1  |     |     |     | .4   | .5    | .5    |          |       |                                    |        |        |        |        |        |                    | 12       | 12       | 71        |
| 55           |                                     | .6  |     | .1  |     | .1   | .2    |       |          |       |                                    |        |        |        |        |        |                    | 9        | 9        | 85        |
| 53           |                                     |     |     | .2  |     | .5   | .1    |       |          |       |                                    |        |        |        |        |        |                    | 7        | 7        | 41        |
| 51           |                                     |     |     |     |     |      | .1    |       |          |       |                                    |        |        |        |        |        |                    | 1        | 1        | 53        |
| 49           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 14        |
| 47           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 8         |
| 45           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 10        |
| 43           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 10        |
| 41           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 1         |
| 39           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 37           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 35           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 33           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 31           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 29           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 27           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| 25           |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total              |          |          |           |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≥ 6 F                              | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 92 F |                    |          |          |           |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |

USAFETAC FORM 44 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

73-81

**YEARS**

APR  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

APR  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

**73-81**

APR  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                |
|---------|----------------|
| 722265  | MAXWELL AFB AL |
| STATION | STATION NAME   |

73-81

**YEARS**

APR  
MONTM

PAGE 1 18CD-230C  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

**73-81**

APR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

2.00 - 2.50  
HOURS (1 S.T.)

[illegible]

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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MAY  
MONTH

**YEARS**

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                                      STATION NAME

73-81

**YEARS**

MAY

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

MAY  
MONTH

PAGE 1

0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-----|----------------|------|------|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2 | 3-4            | 5-6  | 7-8  | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31  | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 92/ 91       |                                     |     |                |      |      |      |                | .1    |          | .2    |                                    |        |        |        |        |        |       | 3         | 3        |          |           |       |       |  |  |
| 91/ 89       |                                     |     |                |      |      |      |                | .2    | .4       | .2    |                                    |        |        |        |        |        |       | 9         | 9        |          |           |       |       |  |  |
| 88/ 87       |                                     |     |                |      | .1   | .1   | .5             | .7    | .7       | .1    | .4                                 | .1     |        |        |        |        |       | 23        | 23       |          |           |       |       |  |  |
| 86/ 85       |                                     |     |                |      |      | .6   | 1.3            | 1.1   | .2       | .6    | .2                                 | .2     |        |        |        |        |       | 36        | 36       |          |           |       |       |  |  |
| 84/ 83       |                                     |     |                | .2   | .3   | 1.4  | 1.2            | 1.1   | .4       | .4    | .1                                 |        |        |        |        |        |       | 42        | 42       |          |           |       |       |  |  |
| 82/ 81       |                                     |     |                | .1   | 1.4  | 2.2  | 2.6            | 1.2   | 1.2      | .4    | .5                                 |        |        |        |        |        |       | 80        | 80       |          |           |       |       |  |  |
| 81/ 79       |                                     |     | .2             | .5   | 1.9  | 2.8  | 2.3            | 1.7   | .8       | .5    | .1                                 |        |        |        |        |        |       | 90        | 90       | 1        |           |       |       |  |  |
| 78/ 77       |                                     |     |                | 1.2  | 3.7  | 2.4  | 2.6            | 1.6   | 1.0      | .1    |                                    |        |        |        |        |        |       | 105       | 105      | 5        |           |       |       |  |  |
| 76/ 75       |                                     |     | .2             | 2.3  | 3.1  | 3.1  | .8             | 1.4   | 1.4      | .2    |                                    |        |        |        |        |        |       | 106       | 106      | 16       | 4         |       |       |  |  |
| 74/ 73       |                                     |     | .6             | 2.6  | 1.0  | 1.4  | 1.7            | .8    | .6       |       | .1                                 |        |        |        |        |        |       | 74        | 74       | 67       | 3         |       |       |  |  |
| 72/ 71       | .1                                  | 1.8 | 2.5            | 1.4  | .6   | 1.2  | .6             | .4    | .2       |       |                                    |        |        |        |        |        |       | 74        | 74       | 81       | 16        |       |       |  |  |
| 70/ 69       | .8                                  | 2.2 | 2.2            | .6   | .7   | 1.1  | .7             | .2    | .1       |       |                                    |        |        |        |        |        |       | 72        | 72       | 111      | 44        |       |       |  |  |
| 68/ 67       | .1                                  | 2.0 | 1.0            | .5   | .5   | .5   | 1.1            | .1    |          |       |                                    |        |        |        |        |        |       | 48        | 48       | 145      | 92        |       |       |  |  |
| 66/ 65       | .6                                  | .8  | .1             | .2   | 1.0  | .6   | .2             | .1    |          |       |                                    |        |        |        |        |        |       | 31        | 31       | 110      | 100       |       |       |  |  |
| 64/ 63       | .5                                  | .6  | .6             | .6   | .6   | .2   | .1             |       |          |       |                                    |        |        |        |        |        |       | 27        | 27       | 95       | 103       |       |       |  |  |
| 62/ 61       |                                     | .1  | .5             | .1   |      |      | .1             |       |          |       |                                    |        |        |        |        |        |       | 7         | 7        | 67       | 96        |       |       |  |  |
| 61/ 59       |                                     | .1  | .1             | .1   |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 3         | 3        | 41       | 75        |       |       |  |  |
| 58/ 57       |                                     |     |                | .1   |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 1         | 1        | 36       | 49        |       |       |  |  |
| 56/ 55       |                                     |     |                | .2   |      |      |                |       |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 27       | 52        |       |       |  |  |
| 54/ 53       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 22       | 45        |       |       |  |  |
| 52/ 51       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 3        | 36        |       |       |  |  |
| 50/ 49       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 6        | 32        |       |       |  |  |
| 48/ 47       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 23        |       |       |  |  |
| 46/ 45       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 24        |       |       |  |  |
| 44/ 43       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 16        |       |       |  |  |
| 42/ 41       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 11        |       |       |  |  |
| 40/ 39       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 6         |       |       |  |  |
| 38/ 37       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |       |       |  |  |
| 36/ 35       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 4         |       |       |  |  |
| 34/ 33       |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 1         |       |       |  |  |
| TOTAL        |                                     | 2.2 | 8.8            | 13.9 | 15.5 | 17.4 | 16.7           | 12.8  | 7.6      | 3.1   | 1.4                                | .6     |        |        |        |        |       | 833       | 833      | 833      | 833       |       |       |  |  |
|              |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |       |  |  |
|              |                                     |     |                |      |      |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |       |  |  |
| Element (K)  | Σ <sub>g</sub> <sup>1</sup>         |     | Σ <sub>g</sub> |      | Σ    |      | C <sub>a</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |           |          |          |           |       |       |  |  |
| Rel. Hum.    | 310.668                             |     | 49446          |      | 59.4 |      | 14.278         |       | 833      |       | ≤ 6 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |           |          |          |           |       |       |  |  |
| Dry Bulb     | 4795761                             |     | 62981          |      | 75.6 |      | 6.386          |       | 833      |       |                                    |        | 85.1   | 63.4   | 26.9   |        | 93    |           |          |          |           |       |       |  |  |
| Wet Bulb     | 3643668                             |     | 54900          |      | 65.9 |      | 5.504          |       | 833      |       |                                    |        | 47.6   | 9.9    |        |        | 93    |           |          |          |           |       |       |  |  |
| Dew Point    | 3019773                             |     | 49747          |      | 59.7 |      | 7.664          |       | 833      |       |                                    |        | 17.8   | .8     |        |        | 93    |           |          |          |           |       |       |  |  |

FORM 0-26-5 (OL A) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

MAY  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          |           |  |  | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-----|------------|-----|----------|------|------------|-------|----------|-------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|-----------|----------|----------|-----------|--|--|-------|-------|--|--|
|              | 0                                   | 1-2 | 3-4        | 5-6 | 7-8      | 9-10 | 11-12      | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22       | 23-24       | 25-26       | 27-28       | 29-30       | 31    | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |       |       |  |  |
| 66/ 95       |                                     |     |            |     |          |      |            |       |          |       | .1                                 |             | .1          |             |             |             |       | 2         | 2        |          |           |  |  |       |       |  |  |
| 64/ 93       |                                     |     |            |     |          |      |            |       |          | .4    | .6                                 | .1          | .1          |             |             |             |       | 10        | 10       |          |           |  |  |       |       |  |  |
| 92/ 91       |                                     |     |            |     |          |      |            |       | .2       | 1.0   | .7                                 | .1          | .4          | .4          |             |             |       | 23        | 23       |          |           |  |  |       |       |  |  |
| 87/ 89       |                                     |     |            |     |          |      | .4         | .5    | 1.3      | 1.8   | .2                                 | .5          | .6          |             |             |             |       | 48        | 48       |          |           |  |  |       |       |  |  |
| 88/ 87       |                                     |     |            |     |          | .4   | 1.2        | 1.6   | 2.5      | 1.2   | .7                                 | .2          | .4          | .1          |             |             |       | 69        | 69       |          |           |  |  |       |       |  |  |
| 86/ 85       |                                     |     |            |     |          | .2   | 1.6        | 3.2   | 2.4      | 1.9   | .2                                 | 1.0         | .2          |             | .1          |             |       | 90        | 90       |          |           |  |  |       |       |  |  |
| 84/ 83       |                                     |     |            |     |          | .6   | 2.6        | 3.2   | 2.3      | 1.2   | 1.4                                | .2          | .2          |             |             |             |       | 99        | 99       |          |           |  |  |       |       |  |  |
| 82/ 81       |                                     |     |            |     | .2       | 1.9  | 2.5        | 2.4   | 1.8      | .6    | 1.7                                |             |             |             |             |             |       | 93        | 93       |          |           |  |  |       |       |  |  |
| 81/ 79       |                                     |     |            |     | .5       | 2.0  | 1.8        | 2.2   | 1.9      | 1.2   | .5                                 |             |             |             |             |             |       | 84        | 84       |          |           |  |  |       |       |  |  |
| 77/ 77       |                                     |     |            | .6  | 1.8      | .6   | 1.8        | .6    | 1.2      | 1.3   | .5                                 | .1          |             |             |             |             |       | 71        | 71       | 8        |           |  |  |       |       |  |  |
| 76/ 75       |                                     |     |            | 2.0 | 1.4      | 1.3  | 1.1        | .8    | 1.1      | .7    | .2                                 |             |             |             |             |             |       | 73        | 73       | 30       |           |  |  |       |       |  |  |
| 74/ 73       |                                     |     | .4         | 1.2 | .8       | .1   | .5         | .4    | 1.8      | .4    |                                    |             |             |             |             |             |       | 46        | 46       | 73       | 5         |  |  |       |       |  |  |
| 71/ 71       |                                     | .1  | 1.3        | .8  | .7       | .1   | .4         | .7    | .8       | .2    | .1                                 |             |             |             |             |             |       | 45        | 45       | 129      | 8         |  |  |       |       |  |  |
| 70/ 69       |                                     | .4  | 1.0        | .2  | .7       | .2   | .2         | .4    | .5       | .1    |                                    |             |             |             |             |             |       | 31        | 31       | 124      | 27        |  |  |       |       |  |  |
| 68/ 67       |                                     | .4  | 1.0        | .4  | .4       | .2   | .2         |       |          | .1    |                                    |             |             |             |             |             |       | 22        | 22       | 131      | 87        |  |  |       |       |  |  |
| 66/ 65       |                                     | .2  | 1.0        | .6  | .5       |      |            |       |          |       |                                    |             |             |             |             |             |       | 19        | 19       | 99       | 117       |  |  |       |       |  |  |
| 64/ 63       |                                     | .4  | .1         | .2  |          | .1   |            |       |          |       |                                    |             |             |             |             |             |       | 7         | 7        | 76       | 94        |  |  |       |       |  |  |
| 62/ 61       |                                     |     |            | .2  |          |      |            |       |          |       |                                    |             |             |             |             |             |       | 2         | 2        | 62       | 94        |  |  |       |       |  |  |
| 59/ 59       |                                     |     |            |     | .1       |      |            |       |          |       |                                    |             |             |             |             |             |       | 1         | 1        | 36       | 75        |  |  |       |       |  |  |
| 56/ 57       |                                     |     |            |     | .1       |      |            |       |          |       |                                    |             |             |             |             |             |       | 1         | 1        | 36       | 56        |  |  |       |       |  |  |
| 51/ 55       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          | 20       | 52        |  |  |       |       |  |  |
| 54/ 53       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          | 3        | 37        |  |  |       |       |  |  |
| 52/ 51       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          | 4        | 25        |  |  |       |       |  |  |
| 51/ 49       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          | 1        | 49        |  |  |       |       |  |  |
| 47/ 47       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 32        |  |  |       |       |  |  |
| 46/ 45       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 27        |  |  |       |       |  |  |
| 44/ 43       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 18        |  |  |       |       |  |  |
| 42/ 41       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 12        |  |  |       |       |  |  |
| 41/ 39       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 10        |  |  |       |       |  |  |
| 36/ 37       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 3         |  |  |       |       |  |  |
| 36/ 35       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 1         |  |  |       |       |  |  |
| 34/ 33       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 2         |  |  |       |       |  |  |
| 32/ 31       |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          | 1         |  |  |       |       |  |  |
| Element (K)  | $\Sigma H'$                         |     | $\Sigma H$ |     | $\Sigma$ |      | $\sigma_s$ |       | No. Obs. |       | Mean No. of Hours with Temperature |             |             |             |             |             |       |           |          |          |           |  |  |       |       |  |  |
| Rel. Hum.    |                                     |     |            |     |          |      |            |       |          |       | $\leq 6 F$                         | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | Total |           |          |          |           |  |  |       |       |  |  |
| Dry Bulb     |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          |           |  |  |       |       |  |  |
| Wet Bulb     |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          |           |  |  |       |       |  |  |
| Dew Point    |                                     |     |            |     |          |      |            |       |          |       |                                    |             |             |             |             |             |       |           |          |          |           |  |  |       |       |  |  |

FORM 0-26-5 (OL A) REVERSE REVISED EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

**73-81**

MAY  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL

73-81

YEARS

MAY  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |       |  |
|--------------|-------------------------------------|-----|-------|-----|------|------|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
|              | 0                                   | 1-2 | 3-4   | 5-6 | 7-8  | 9-10 | 11-12  | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | 31     | Dry Bulb | Wet Bulb | Dew Point |                    |       |       |  |
| 94/ 93       |                                     |     |       |     |      |      |        |       |       |       | .4    |       | .2     | .1    |        |       |        |          |          | 6         | 6                  |       |       |  |
| 92/ 91       |                                     |     |       |     |      |      |        |       |       | .1    | .7    | 1.0   | .2     | .2    | .1     |       |        |          |          | 20        | 20                 |       |       |  |
| 90/ 89       |                                     |     |       |     |      |      | .1     | .5    | 1.2   | 1.6   | .6    | .5    | .4     |       |        |       |        |          |          | 40        | 40                 |       |       |  |
| 88/ 87       |                                     |     |       |     |      | .1   | .1     | 1.6   | 3.2   | 1.6   | .8    | .5    | 1.0    |       |        |       |        |          |          | 74        | 74                 |       |       |  |
| 86/ 85       |                                     |     |       |     |      | .5   | 1.4    | 3.0   | 3.0   | 1.3   | .6    | .7    |        |       |        |       |        |          |          | 88        | 88                 |       |       |  |
| 84/ 83       |                                     |     |       |     | .1   | .5   | 1.1    | 3.0   | 2.2   | 2.3   | 1.1   | .5    | .2     |       |        |       |        |          |          | 91        | 91                 |       |       |  |
| 82/ 81       |                                     |     |       | .2  |      | 1.7  | 2.9    | 2.0   | 1.7   | 1.1   | 2.0   | .1    | .1     |       |        |       |        |          |          | 99        | 99                 |       |       |  |
| 80/ 79       |                                     |     |       | .1  | 1.2  | 1.8  | 1.4    | 2.0   | 1.0   | 1.7   | .5    |       |        |       |        |       |        |          |          | 81        | 81                 |       |       |  |
| 78/ 77       |                                     |     |       | .8  | 1.3  | 1.6  | 1.7    | 1.1   | 1.8   | 1.2   | .5    |       |        |       |        |       |        |          |          | 83        | 83                 | 3     |       |  |
| 76/ 75       |                                     |     | .1    | 1.3 | 1.4  | 1.2  | .8     | 1.4   | 1.0   | 1.3   | .4    | .1    |        |       |        |       |        |          |          | 76        | 76                 | 15    |       |  |
| 74/ 73       |                                     |     | 1.0   | 1.3 | .6   | .7   | .1     | .6    | 1.8   | .6    | .2    |       |        |       |        |       |        |          |          | 58        | 58                 | 73    | 3     |  |
| 72/ 71       |                                     | .2  | .8    | .5  | .5   | .1   | .4     | .4    | .4    |       |       |       |        |       |        |       |        |          |          | 27        | 27                 | 129   | 7     |  |
| 70/ 69       |                                     | .6  | 1.9   | .8  | .7   | .6   |        | .2    | .1    |       |       |       |        |       |        |       |        |          |          | 42        | 42                 | 134   | 27    |  |
| 68/ 67       |                                     | .2  | 1.2   | .5  | .8   |      |        |       |       |       |       |       |        |       |        |       |        |          |          | 23        | 23                 | 116   | 68    |  |
| 66/ 65       |                                     |     | .5    | .6  | .4   |      |        |       |       |       |       |       |        |       |        |       |        |          |          | 12        | 12                 | 107   | 112   |  |
| 64/ 63       |                                     | .2  | .2    | .1  | .1   | .2   |        |       |       |       |       |       |        |       |        |       |        |          |          | 8         | 8                  | 84    | 117   |  |
| 62/ 61       |                                     | .4  |       | .4  |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          | 6         | 6                  | 79    | 91    |  |
| 60/ 59       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    | 43    | 76    |  |
| 58/ 57       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    | 34    | 53    |  |
| 56/ 55       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    | 15    | 54    |  |
| 54/ 53       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    | 2     | 41    |  |
| 52/ 51       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 34    |  |
| 50/ 49       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 49    |  |
| 48/ 47       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 37    |  |
| 46/ 45       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 23    |  |
| 44/ 43       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 14    |  |
| 42/ 41       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 13    |  |
| 40/ 39       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 9     |  |
| 38/ 37       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 1     |  |
| 36/ 35       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 3     |  |
| 34/ 33       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 1     |  |
| 32/ 31       |                                     |     |       |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |          |           |                    |       | 1     |  |
| TOTAL        |                                     | 1.7 | 5.8   | 6.7 | 7.2  | 9.0  | 10.1   | 15.9  | 17.3  | 13.3  | 8.0   | 2.6   | 2.2    | .2    |        |       |        |          |          | 834       | 834                | 834   | 834   |  |
| Element (X)  | Σ x'                                |     | Σ x   |     | Σ    |      | Σ      |       | Σ     |       | Σ     |       | Σ      |       | Σ      |       | Σ      |          | Σ        |           | Σ                  |       | Σ     |  |
| Rel. Hum.    | 2347268                             |     | 42244 |     | 50.7 |      | 15.783 |       | 834   |       | ± 0 F |       | ± 32 F |       | ± 67 F |       | ± 73 F |          | ± 80 F   |           | ± 93 F             |       | Total |  |
| Dry Bulb     | 5353864                             |     | 66592 |     | 79.8 |      | 6.640  |       | 834   |       |       |       |        |       | 90.1   |       | 79.8   |          | 50.8     |           | .7                 |       | 93    |  |
| Wet Bulb     | 3745937                             |     | 55747 |     | 66.8 |      | 4.856  |       | 834   |       |       |       |        |       | 52.9   |       | 10.1   |          |          |           |                    |       | 93    |  |
| Dew Point    | 2925066                             |     | 48982 |     | 58.7 |      | 7.613  |       | 834   |       |       |       |        |       | .1     |       | 11.7   |          | .3       |           |                    |       | 93    |  |

FORM 0-26-5 (OLA) REVERSE NUMERICAL NOTATION OF THE FORM IS CORRECT  
USAFETAC

## PSYCHROMETRIC SUMMARY

**MAY**  
**MONTH**

**HOURS (L. S. T.)**

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL  
STATION

73-81

YEARS

MAY  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 96/ 95       |                                     |     |     |     |     |      |       |       |       |       | .0    |       | .0    |       |       |       |    | 2        | 2        |           |                    |       |  |  |
| 94/ 93       |                                     |     |     |     |     |      |       |       |       | .1    | .2    | .0    | .1    |       |       |       |    | 16       | 16       |           |                    |       |  |  |
| 92/ 91       |                                     |     |     |     |     |      |       | .0    | .0    | .3    | .3    | .1    | .1    | .1    |       |       |    | 46       | 46       |           |                    |       |  |  |
| 90/ 89       |                                     |     |     |     |     |      | .1    | .2    | .6    | .6    | .1    | .2    | .2    |       |       |       |    | 97       | 97       |           |                    |       |  |  |
| 88/ 87       |                                     |     |     |     | .0  | .1   | .3    | .7    | 1.2   | .5    | .3    | .2    | .2    | .0    |       |       |    | 173      | 173      |           |                    |       |  |  |
| 86/ 85       |                                     |     |     |     |     | .2   | .8    | 1.5   | 1.1   | .7    | .3    | .3    | .0    |       |       |       |    | 238      | 238      |           |                    |       |  |  |
| 84/ 83       |                                     |     |     | .0  | .1  | .5   | 1.1   | 1.4   | .9    | .7    | .5    | .1    | .1    |       |       |       |    | 264      | 264      |           |                    |       |  |  |
| 82/ 81       |                                     |     |     | .1  | .4  | 1.3  | 1.7   | 1.2   | 1.0   | .4    | .8    | .0    | .0    |       |       |       |    | 336      | 336      |           |                    |       |  |  |
| 80/ 79       |                                     |     | .0  | .3  | .9  | 2.0  | 1.3   | 1.2   | .8    | .7    | .2    | .0    |       |       |       |       |    | 360      | 360      | 1         |                    |       |  |  |
| 78/ 77       |                                     | .0  | .0  | 1.2 | 2.4 | 1.4  | 1.3   | .7    | .9    | .5    | .2    | .0    |       |       |       |       |    | 424      | 424      | 17        |                    |       |  |  |
| 76/ 75       |                                     | .1  | .6  | 2.1 | 2.2 | 1.4  | .9    | .9    | .7    | .4    | .1    | .0    |       |       |       |       |    | 462      | 462      | 73        |                    |       |  |  |
| 74/ 73       |                                     | .1  | 1.6 | 2.7 | 1.3 | .9   | .8    | .5    | .8    | .2    | .1    |       |       |       |       |       |    | 433      | 433      | 265       |                    |       |  |  |
| 72/ 71       |                                     | .4  | 2.9 | 1.8 | 1.3 | .7   | .7    | .4    | .3    | .1    | .0    |       |       |       |       |       |    | 422      | 422      | 507       |                    |       |  |  |
| 70/ 69       | .0                                  | .9  | 3.2 | 1.6 | 1.2 | .9   | .5    | .3    | .2    | .0    |       |       |       |       |       |       |    | 430      | 430      | 663       |                    |       |  |  |
| 68/ 67       |                                     | .9  | 3.3 | 1.2 | .8  | .6   | .4    | .3    | .0    | .0    |       |       |       |       |       |       |    | 368      | 368      | 711       |                    |       |  |  |
| 66/ 65       |                                     | 1.2 | 1.6 | .9  | .6  | .5   | .3    | .0    | .0    |       |       |       |       |       |       |       |    | 255      | 255      | 629       |                    |       |  |  |
| 64/ 63       | .0                                  | 1.0 | .9  | .9  | .5  | .5   | .1    | .0    |       |       |       |       |       |       |       |       |    | 196      | 196      | 573       |                    |       |  |  |
| 62/ 61       | .0                                  | .5  | .7  | .7  | .5  | .1   | .1    | .0    |       |       |       |       |       |       |       |       |    | 125      | 125      | 471       |                    |       |  |  |
| 60/ 59       |                                     | .2  | .6  | .5  | .2  | .0   |       |       |       |       |       |       |       |       |       |       |    | 81       | 81       | 291       |                    |       |  |  |
| 58/ 57       | .0                                  | .1  | .6  | .3  | .1  | .1   |       |       |       |       |       |       |       |       |       |       |    | 57       | 57       | 247       |                    |       |  |  |
| 56/ 55       |                                     | .1  | .3  | .2  | .1  |      |       |       |       |       |       |       |       |       |       |       |    | 37       | 37       | 173       |                    |       |  |  |
| 54/ 53       |                                     | .1  | .2  | .1  | .0  |      |       |       |       |       |       |       |       |       |       |       |    | 20       | 20       | 127       |                    |       |  |  |
| 52/ 51       |                                     | .0  | .1  | .0  |     |      |       |       |       |       |       |       |       |       |       |       |    | 10       | 10       | 57        |                    |       |  |  |
| 50/ 49       |                                     | .1  | .1  | .0  |     |      |       |       |       |       |       |       |       |       |       |       |    | 11       | 11       | 35        |                    |       |  |  |
| 48/ 47       |                                     | .0  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 2        | 2        | 16        |                    |       |  |  |
| 46/ 45       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          | 8         |                    |       |  |  |
| 44/ 43       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          | 1         |                    |       |  |  |
| 42/ 41       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |
| 40/ 39       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |
| 38/ 37       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |
| 36/ 35       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |
| 34/ 33       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   | Σ    |       | Σ     |       | Σ     |       | Σ     |       | Σ     |       | Σ     |    | Σ        |          | Σ         |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          | Total     |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |    |          |          |           |                    |       |  |  |

FORM 0-26-5 (OL A)  
REPLACES PREVIOUS EDITIONS OF THIS FORM AND DISCLOSURE

USAFETAC

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

ALL  
HOURS [L. S. T.]

[illegible]

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                                      STATION NAME

73, 75-76, 78-81 YEARS

     MONTH

PAGE 1 C300-0500  
HOURS (L, S, T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2   | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 1 / 79       |                                     |       | .7   | .7  |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7 / 77       |                                     | .7    | 2.0  | .7  |     |      |       |       |       |       |       |       |       |       |       |       |      | 5         | 5        | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 75       |                                     | 2.0   | 7.9  | 2.6 |     |      |       |       |       |       |       |       |       |       |       |       |      | 19        | 19       | 1        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 73       |                                     | 6.6   | 9.9  | 4.6 | 1.3 | 1.3  |       |       |       |       |       |       |       |       |       |       |      | 36        | 36       | 12       | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2 / 71       | .7                                  | 9.3   | 5.3  | 2.0 | 2.0 | .7   |       |       |       |       |       |       |       |       |       |       |      | 30        | 30       | 33       | 24        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 69         | .7                                  | 6.0   | 8.6  |     | 1.3 | .7   |       |       |       |       |       |       |       |       |       |       |      | 26        | 26       | 29       | 30        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 67       | 1.3                                 | 6.6   | 1.3  |     | 2.0 |      | .7    |       |       |       |       |       |       |       |       |       |      | 18        | 18       | 31       | 27        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 65       |                                     | 1.3   | .7   | 1.3 | .7  |      |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        | 19       | 24        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 63       | .7                                  |       |      | 1.3 | .7  |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 6        | 12        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2 / 61       |                                     | .7    | .7   |     | 1.3 |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 3        | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 59         |                                     |       | .7   |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 8        | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5 / 57       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5 / 55       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 3        | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 53       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2 / 51       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5 / 49       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| / 47         |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 45       |                                     |       |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 3.333                               | 137.7 | 13.2 | 9.3 | 2.6 | .7   |       |       |       |       |       |       |       |       |       |       |      | 151       | 151      | 151      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

2

## YEARS

JUN

STATION

STATION NAME

YEARS

MONTH

0600-0600

HOURS (L, S, T)

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**





## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

JUN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          |           |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-------|-----|------|-----|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|------|------------------------------------|----------|-----------|--|--------------------|-------|--|--|
|              | 0                                   | 1-2   | 3-4 | 5-6  | 7-8 | 9-10   | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22  | 23-24 | 25-26  | 27-28 | 29-30  | ≥ 31 | Dry Bulb                           | Wet Bulb | Dew Point |  |                    |       |  |  |
| 0 / 99       |                                     |       |     |      |     |        |       |       |       |       | .5    | .1     | .2    | .1     |       |        |      | 8                                  | 8        |           |  |                    |       |  |  |
| 8 / 97       |                                     |       |     |      |     |        |       |       |       | 1.1   | .5    | .2     | .6    |        |       |        |      | 20                                 | 20       |           |  |                    |       |  |  |
| 6 / 95       |                                     |       |     |      |     |        |       | .1    | .2    | 1.5   | .6    | 1.6    | .4    | .2     |       |        |      | 38                                 | 38       |           |  |                    |       |  |  |
| 4 / 93       |                                     |       |     |      |     |        | .2    | .4    | 1.7   | 2.5   | 1.4   | .9     | .1    | .6     |       |        |      | 63                                 | 63       |           |  |                    |       |  |  |
| 2 / 91       |                                     |       |     |      |     | .5     | 1.9   | 4.0   | 2.1   | 2.0   | .1    | .6     | .1    |        |       |        |      | 91                                 | 91       |           |  |                    |       |  |  |
| 0 / 89       |                                     |       |     |      | .4  | 2.5    | 3.7   | 3.7   | 2.1   | .9    | .6    | .9     |       |        |       |        |      | 119                                | 119      |           |  |                    |       |  |  |
| 8 / 87       |                                     |       |     |      |     | 2.1    | 4.2   | 3.5   | 3.0   | 1.2   | .9    | .7     |       |        |       |        |      | 126                                | 126      |           |  |                    |       |  |  |
| 6 / 85       |                                     |       |     | .5   | 3.1 | 2.5    | 1.9   | 1.5   | .9    | 1.1   | .4    |        |       |        |       |        |      | 95                                 | 95       |           |  |                    |       |  |  |
| 4 / 83       |                                     |       |     | .1   | 2.7 | 1.6    | 2.0   | 1.0   | .4    | 1.1   | 1.1   | .1     |       |        |       |        |      | 82                                 | 82       |           |  |                    |       |  |  |
| 2 / 81       |                                     |       | .4  | .6   | .7  | 1.1    | 1.1   | .2    | .7    | .6    | .1    | .2     |       |        |       |        |      | 48                                 | 48       | 7         |  |                    |       |  |  |
| 0 / 79       |                                     |       | .2  | .5   | 1.2 | 1.2    | .5    | .4    | .4    | .6    | .1    | .1     |       |        |       |        |      | 43                                 | 43       | 29        |  |                    |       |  |  |
| 7 / 77       |                                     |       | .5  | .5   | .5  | .1     | .4    | .1    | .6    |       |       |        |       |        |       |        |      | 22                                 | 22       | 120       |  |                    |       |  |  |
| 6 / 75       |                                     | .4    | .4  | .6   | .1  | .2     | .4    |       |       |       |       |        |       |        |       |        |      | 17                                 | 17       | 165       |  |                    |       |  |  |
| 4 / 73       |                                     | .5    | .5  | .4   |     | .1     | .1    |       |       |       |       |        |       |        |       |        |      | 13                                 | 13       | 163       |  |                    |       |  |  |
| 2 / 71       |                                     | .5    | .6  | .1   |     | .1     |       |       |       |       |       |        |       |        |       |        |      | 11                                 | 11       | 118       |  |                    |       |  |  |
| 0 / 69       |                                     | .4    | .2  |      |     |        |       |       |       |       |       |        |       |        |       |        |      | 5                                  | 5        | 69        |  |                    |       |  |  |
| 6 / 67       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    | 49       | 106       |  |                    |       |  |  |
| 4 / 65       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    | 38       | 92        |  |                    |       |  |  |
| 2 / 63       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    | 25       | 67        |  |                    |       |  |  |
| 0 / 61       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    | 13       | 53        |  |                    |       |  |  |
| 8 / 59       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    | 5        | 38        |  |                    |       |  |  |
| 6 / 57       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 11        |  |                    |       |  |  |
| 4 / 55       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 16        |  |                    |       |  |  |
| 2 / 53       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 29        |  |                    |       |  |  |
| 0 / 51       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 30        |  |                    |       |  |  |
| 8 / 49       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 15        |  |                    |       |  |  |
| 6 / 47       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 6         |  |                    |       |  |  |
| 4 / 45       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 4         |  |                    |       |  |  |
| 2 / 43       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 1         |  |                    |       |  |  |
| 0 / 41       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 1         |  |                    |       |  |  |
| 8 / 37       |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      |                                    |          | 2         |  |                    |       |  |  |
| TOTAL        |                                     | 1.7   | 2.5 | 2.6  | 5.7 | 9.9    | 14.5  | 14.1  | 15.9  | 14.0  | 9.7   | 5.1    | 3.1   | 1.1    |       |        |      | 801                                | 801      | 801       |  |                    |       |  |  |
|              |                                     |       |     |      |     |        |       |       |       |       |       |        |       |        |       |        |      | 801                                | 801      |           |  |                    |       |  |  |
| Element (X)  | Σ X'                                | Σ X   |     | Σ X  |     | Σ X    |       | Σ X   |       | Σ X   |       | Σ X    |       | Σ X    |       | Σ X    |      | Mean No. of Hours with Temperature |          |           |  |                    |       |  |  |
| Rel. Hum.    | 2212468                             | 40564 |     | 50.6 |     | 14.064 |       | 801   |       | ≥ 0 F |       | ≥ 32 F |       | ≥ 67 F |       | ≥ 73 F |      | ≥ 80 F                             |          | ≥ 93 F    |  | Total              |       |  |  |
| Dry Bulb     | 6084517                             | 69657 |     | 87.0 |     | 5.806  |       | 801   |       |       |       |        |       | 95.0   |       | 88.2   |      | 80.7                               |          | 14.5      |  | 90                 |       |  |  |
| Wet Bulb     | 4261463                             | 58323 |     | 72.8 |     | 4.302  |       | 801   |       |       |       |        |       | 80.9   |       | 54.4   |      | 1.7                                |          |           |  | 90                 |       |  |  |
| Dew Point    | 3480097                             | 52513 |     | 65.6 |     | 6.836  |       | 801   |       |       |       |        |       | 49.0   |       | 10.4   |      |                                    |          |           |  | 90                 |       |  |  |

## PSYCHROMETRIC SUMMARY

**73-81**

**YEARS**

JUN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|-------|-----|------------|------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4   | 5-6 | 7-8        | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | ≥ 31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |  |
| 2/101        |                                     |     |       |     |            |      |       |       |          |       |                                    | .1    | .1     |       |        |       |        | 2         | 2        |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 0/99         |                                     |     |       |     |            |      |       |       |          |       |                                    | .1    | .3     |       |        |       |        | 5         | 5        |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 8/97         |                                     |     |       |     |            |      |       |       |          | .1    | 1.0                                | .5    | .5     | .3    |        |       |        | 19        | 19       |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 6/95         |                                     |     |       |     |            |      |       |       | .5       | 1.0   | 1.6                                | 1.1   | .8     | .3    | .1     |       |        | 43        | 43       |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/93         |                                     |     |       |     |            |      |       | .3    | 1.3      | 1.8   | 2.0                                | 1.4   | .8     | .8    | .1     |       |        | 66        | 66       |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 2/91         |                                     |     |       |     |            | .1   | .1    | 1.3   | 2.4      | 2.5   | 2.5                                | 1.0   | .9     | .1    |        |       |        | 87        | 87       |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 0/89         |                                     |     |       |     |            |      | 1.6   | 3.9   | 3.3      | 3.1   | .8                                 | .6    | .4     |       |        |       |        | 109       | 109      |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 8/87         |                                     |     |       |     |            | 1.3  | 3.4   | 2.5   | 3.0      | 1.5   | .9                                 | 1.1   |        |       |        |       |        | 109       | 109      |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 6/85         |                                     |     |       | .1  | 1.1        | 2.0  | 1.5   | 2.5   | .9       | 1.0   | 1.3                                | .5    | .3     |       |        |       |        | 89        | 89       |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/83         |                                     |     |       | .3  | 1.1        | 1.1  | 1.1   | 1.1   | .9       | .3    | .4                                 | 1.5   | .4     | .4    |        |       |        | 59        | 59       | 1        |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 2/81         |                                     |     |       | 1.4 | 1.3        | 1.6  | 1.3   | .6    |          | .9    | 1.0                                | .1    |        |       |        |       |        | 65        | 65       | 1        |           |  |  |  |  |  |  |  |       |  |       |  |  |
| 0/79         |                                     |     | .4    | 1.3 | 1.1        | 1.1  | .4    | .5    |          | .4    |                                    |       |        |       |        |       |        | 41        | 41       | 15       | 1         |  |  |  |  |  |  |  |       |  |       |  |  |
| 7/77         |                                     |     | 1.0   | 1.1 | 1.4        | .1   | .3    | .3    | .1       |       |                                    |       |        |       |        |       |        | 34        | 34       | 102      | 1         |  |  |  |  |  |  |  |       |  |       |  |  |
| 6/75         |                                     | .6  | 1.1   | .9  | .3         |      | .4    | .1    |          |       |                                    |       |        |       |        |       |        | 27        | 27       | 146      | 10        |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/73         |                                     | .3  | .5    | 1.1 | .1         |      |       |       |          |       |                                    |       |        |       |        |       |        | 16        | 16       | 184      | 62        |  |  |  |  |  |  |  |       |  |       |  |  |
| 2/71         |                                     | 1.1 | 1.3   | .3  |            |      |       |       |          |       |                                    |       |        |       |        |       |        | 21        | 21       | 123      | 90        |  |  |  |  |  |  |  |       |  |       |  |  |
| 0/69         |                                     | .1  | .3    | .1  |            |      |       |       |          |       |                                    |       |        |       |        |       |        | 4         | 4        | 89       | 123       |  |  |  |  |  |  |  |       |  |       |  |  |
| 6/67         |                                     |     | .4    | .1  |            |      |       |       |          |       |                                    |       |        |       |        |       |        | 4         | 4        | 57       | 112       |  |  |  |  |  |  |  |       |  |       |  |  |
| 6/65         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          | 38       | 100       |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/63         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          | 26       | 78        |  |  |  |  |  |  |  |       |  |       |  |  |
| 2/61         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          | 14       | 65        |  |  |  |  |  |  |  |       |  |       |  |  |
| 0/59         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          | 4        | 29        |  |  |  |  |  |  |  |       |  |       |  |  |
| 0/57         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 28        |  |  |  |  |  |  |  |       |  |       |  |  |
| 5/55         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 14        |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/53         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 28        |  |  |  |  |  |  |  |       |  |       |  |  |
| 2/51         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 28        |  |  |  |  |  |  |  |       |  |       |  |  |
| 5/49         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 13        |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/47         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 5         |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/45         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 9         |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/43         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |  |  |  |  |  |  |       |  |       |  |  |
| 4/39         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 2         |  |  |  |  |  |  |  |       |  |       |  |  |
| 3/37         |                                     |     |       |     |            |      |       |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |  |  |  |  |  |  |       |  |       |  |  |
| TOTAL        |                                     | 2.1 | 4.9   | 6.6 | 6.4        | 7.4  | 10.0  | 12.8  | 11.6     | 12.6  | 12.6                               | 7.0   | 4.3    | 1.5   | .3     |       |        | 800       | 800      | 800      |           |  |  |  |  |  |  |  |       |  |       |  |  |
| Element (X)  | ΣX'                                 |     | ΣX    |     | Σ          |      | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |           |          |          |           |  |  |  |  |  |  |  |       |  |       |  |  |
| Rel. Hum.    | 2321394                             |     | 41048 |     | 51.316.412 |      | 800   |       | Σ 0 F    |       | Σ 32 F                             |       | Σ 67 F |       | Σ 73 F |       | Σ 80 F |           | Σ 93 F   |          | Total     |  |  |  |  |  |  |  |       |  |       |  |  |
| Dry Bulb     | 6002940                             |     | 69104 |     | 86.4 6.498 |      | 800   |       |          |       |                                    |       | 90.0   |       | 86.7   |       | 75.6   |           | 15.2     |          | 90        |  |  |  |  |  |  |  |       |  |       |  |  |
| Wet Bulb     | 4200397                             |     | 57875 |     | 72.3 4.111 |      | 800   |       |          |       |                                    |       | 80.8   |       | 50.5   |       | .9     |           |          |          | 90        |  |  |  |  |  |  |  |       |  |       |  |  |
| Dew Point    | 3419228                             |     | 52014 |     | 65.0 6.819 |      | 800   |       |          |       |                                    |       | 44.9   |       | 8.3    |       | .1     |           |          |          | 90        |  |  |  |  |  |  |  |       |  |       |  |  |

## PSYCHROMETRIC SUMMARY

YEARS

**JUN**  
**MONTH**

PAGE 1 18CD-2000  
HOURS 11. 5. 1.

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                |
|---------|----------------|
| 722265  | MAXWELL AFB AL |
| STATION | STATION NAME   |

73-81

YEARS

JUN  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

722.265  
STATION

MAXWELL AFB AL

73-81

**JUN**  
**MONTH**

PAGE 2

ALL  
HOURS (L.S.T.)

[illegible]

2

## YEARS

MAXWELL AFB AL STATION NAME

73-74, 77-81

**MONTH**

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

JUL  
MONT

PAGE 1 0600-0800  
HOURS 11-5-7

HOUSES 11-5-T

[illegible]



## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

MONTH

PAGE 1

**0900-1100**

HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | TOTAL     |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |
| 10/ 99       |                                     |     |      |      |      |      |       |       |       |       |       | .4    |       |       |       |       |      | 3         | 3        |          |           |  |       |  |
| 8/ 97        |                                     |     |      |      |      |      |       |       |       |       |       | .4    |       |       |       |       |      | 3         | 3        |          |           |  |       |  |
| 6/ 95        |                                     |     |      |      |      |      |       |       | .2    | .5    | .1    | .1    |       |       |       |       |      | 8         | 8        |          |           |  |       |  |
| 4/ 93        |                                     |     |      |      |      | .1   | .4    | 1.0   | 1.4   | .2    | .4    |       |       |       |       |       |      | 29        | 29       |          |           |  |       |  |
| 1/ 91        |                                     |     |      |      | .4   | 1.7  | 2.0   | 1.6   | .7    |       |       |       | .1    |       |       |       |      | 54        | 54       |          |           |  |       |  |
| 1/ 89        |                                     |     |      |      | 1.4  | 3.7  | 3.3   | .8    | .4    |       |       |       |       |       |       |       |      | 80        | 80       |          |           |  |       |  |
| 8/ 87        |                                     |     |      |      | 1.7  | 5.7  | 3.4   | 1.6   | .8    |       | .1    |       |       |       |       |       |      | 110       | 110      |          |           |  |       |  |
| 6/ 85        |                                     |     |      | 1.0  | 3.5  | 7.0  | 2.5   | 1.0   |       |       | .1    |       |       |       |       |       |      | 125       | 125      |          |           |  |       |  |
| 4/ 83        |                                     |     | .6   | 3.3  | 4.7  | 4.3  | 1.7   | .2    | .5    |       |       |       |       |       |       |       |      | 127       | 127      | 2        |           |  |       |  |
| 2/ 81        |                                     |     | 2.4  | 4.1  | 4.5  | 1.1  | .7    | .1    |       |       |       |       |       |       |       |       |      | 107       | 107      | 13       |           |  |       |  |
| 1/ 79        |                                     | .2  | 2.9  | 3.7  | 3.3  | 1.2  | .1    |       |       |       |       |       |       |       |       |       |      | 95        | 95       | 90       | 5         |  |       |  |
| 7/ 77        |                                     | .2  | .8   | 1.6  | .7   | .1   |       |       |       |       |       |       |       |       |       |       |      | 29        | 29       | 205      | 35        |  |       |  |
| 6/ 75        |                                     | .4  | 1.8  | 1.7  |      |      |       |       |       |       |       |       |       |       |       |       |      | 32        | 32       | 236      | 128       |  |       |  |
| 4/ 73        |                                     | .1  | 1.3  | .7   |      |      |       |       |       |       |       |       |       |       |       |       |      | 18        | 18       | 156      | 168       |  |       |  |
| 1/ 71        |                                     | .2  | .6   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 7         | 7        | 74       | 178       |  |       |  |
| 1/ 69        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 39       | 172       |  |       |  |
| 6/ 67        |                                     | .4  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 11       | 78        |  |       |  |
| 6/ 65        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 4        | 36        |  |       |  |
| 4/ 63        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |       |  |
| 2/ 61        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |  |       |  |
| 1/ 59        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |       |  |
| 4/ 53        |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |       |  |
| TOTAL        |                                     | 1.6 | 10.5 | 16.0 | 18.3 | 21.3 | 14.2  | 9.2   | 5.4   | 1.8   | 1.1   | .5    | .1    |       |       |       |      | 830       | 830      | 830      | 830       |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 830       |          | 830      |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |
|              |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |       |  |

## PSYCHROMETRIC SUMMARY

**YEARS**

JUL  
MONTH

PAGE 1 1200-1400

[illegible]

2

## C

**YEARS**

**مونت**

PAGE 1 1500-1700  
MAY 1961

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

JUL

PAGE 1

1600-2000

HOURS: 11:30 A.M. - 5:00 P.M.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |                    |           |           |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------------------|-----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. Dry Bulb | Wet B.-lb | Dew Point |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10 / 99      |                                     |     |      |      |      |      |       |       |       |       |       | .1    |       |       |       |       |      | 1                  | 1         |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8 / 97       |                                     |     |      |      |      |      |       |       |       |       | .2    | .2    | .1    |       |       |       |      | 5                  | 5         |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 95       |                                     |     |      |      |      |      |       |       |       | .2    | .6    | .2    |       |       |       |       |      | 9                  | 9         |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 93       |                                     |     |      |      |      |      |       | .1    | .7    | .9    | .9    |       |       |       |       |       |      | 21                 | 21        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2 / 91       |                                     |     |      |      |      | .4   | .9    | 2.2   | .7    | .1    |       |       |       |       |       |       |      | 35                 | 35        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0 / 89       |                                     |     |      |      |      | 1.5  | 2.7   | 1.7   | .7    | .2    |       |       |       |       |       |       |      | 56                 | 56        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8 / 87       |                                     |     |      | .1   | .4   | 2.1  | 3.2   | 1.5   | .6    |       |       |       |       |       |       |       |      | 64                 | 64        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 85       |                                     |     |      | .5   | 2.4  | 3.1  | 2.2   | 1.3   | .4    | .1    |       |       |       |       |       |       |      | 82                 | 82        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 83       |                                     |     |      | 1.7  | 2.8  | 2.1  | 1.7   | .2    | .2    |       |       |       |       |       |       |       |      | 72                 | 72        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2 / 81       |                                     | .1  | .9   | 3.7  | 4.3  | 2.1  | .7    |       | .2    |       |       |       |       |       |       |       |      | 98                 | 98        | 2         |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0 / 79       |                                     | .9  | 3.9  | 4.5  | 3.4  | 1.2  | .1    |       |       |       |       |       |       |       |       |       |      | 115                | 115       | 15        |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7 / 77       |                                     | 1.7 | 3.3  | 3.9  | 2.1  | .2   |       |       |       |       |       |       |       |       |       |       |      | 92                 | 92        | 121       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 75       |                                     | 2.4 | 3.4  | 3.4  | .6   | .1   |       |       |       |       |       |       |       |       |       |       |      | 82                 | 82        | 228       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 73       | .1                                  | 1.6 | 2.8  | 1.1  |      |      |       |       |       |       |       |       |       |       |       |       |      | 46                 | 46        | 197       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2 / 71       | .4                                  | 1.2 | 1.5  |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 25                 | 25        | 145       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0 / 69       |                                     | 1.2 | .5   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 14                 | 14        | 74        |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 67       |                                     | .1  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 1                  | 1         | 33        |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6 / 65       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |                    |           | 3         |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4 / 63       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |                    |           |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2 / 61       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |                    |           |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0 / 59       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |                    |           |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0 / 57       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |                    |           |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5 / 55       |                                     |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |                    |           |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .5                                  | 9.3 | 16.3 | 18.9 | 16.0 | 10.9 | 9.8   | 6.7   | 6.1   | 2.7   | 2.1   | .6    | .1    |       |       |       |      | 818                | 818       | 818       |  |  |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                                      STATION NAME

73-81

YEARS

MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           | TOTAL    | TOTAL    |           |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |
| 89           |                                     |      |      |      |      |      | .2    | .2    | .2    |       |       |       |       |       |       |       |      | 3         | 3        |          |           |  |
| 87           |                                     |      |      |      |      |      | 1.3   | .7    |       |       |       |       |       |       |       |       |      | 12        | 12       |          |           |  |
| 85           |                                     |      |      | .2   | .2   | 1.8  | 1.1   | .5    |       |       |       |       |       |       |       |       |      | 21        | 21       |          |           |  |
| 83           |                                     |      | .7   | .9   | 1.8  | 3.5  | .9    |       |       |       |       |       |       |       |       |       |      | 43        | 43       |          |           |  |
| 81           |                                     |      | .7   | 4.7  | 2.7  | 1.5  |       |       |       |       |       |       |       |       |       |       |      | 53        | 53       |          |           |  |
| 79           |                                     | .2   | 4.6  | 6.4  | 2.6  | 2.2  |       | .4    |       |       |       |       |       |       |       |       |      | 89        | 89       | 6        | 1         |  |
| 77           | .2                                  | 3.6  | 6.0  | 7.7  | 3.5  | .4   |       |       |       |       |       |       |       |       |       |       |      | 117       | 117      | 20       | 8         |  |
| 75           |                                     | 3.6  | 8.6  | 4.6  | .9   | .2   |       |       |       |       |       |       |       |       |       |       |      | 98        | 98       | 123      | 33        |  |
| 73           | .5                                  | 3.6  | 4.0  | 3.5  | .2   |      |       |       |       |       |       |       |       |       |       |       |      | 65        | 65       | 151      | 93        |  |
| 71           | .4                                  | 2.7  | 2.7  | .2   |      |      |       |       |       |       |       |       |       |       |       |       |      | 33        | 33       | 125      | 128       |  |
| 69           |                                     | 1.5  | .7   |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 12        | 12       | 86       | 123       |  |
| 67           |                                     | .4   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 28       | 93        |  |
| 65           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 9        | 48        |  |
| 63           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 17        |  |
| 61           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| 59           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |
| 57           |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |
| TOTAL        | 1.1                                 | 15.7 | 28.1 | 28.1 | 11.9 | 9.7  | 3.5   | 1.8   | .2    |       |       |       |       |       |       |       |      | 548       | 548      |          | 548       |  |

| Element (X) | Σ X'    | Σ X   | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 3370574 | 42572 | 77.7 | 10.759         | 548      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb    | 3335463 | 42695 | 77.9 | 4.072          | 548      |                                    |        | 93.0   | 85.0   | 30.0   |        | 93    |
| Wet Bulb    | 2899128 | 39832 | 72.7 | 2.668          | 548      |                                    |        | 91.5   | 50.9   | .5     |        | 93    |
| Dew Point   | 2704428 | 38458 | 70.2 | 3.168          | 548      |                                    |        | 81.3   | 22.9   |        |        | 93    |

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

AUG  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                      STATION NAME

73-81

YEARS

AUG  
MONTH

PAGE 1

0600-2800  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

**73-81**

AUG

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

73-81

YEARS

AUG  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |     |  |  |  |  |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 10/99        |                                     |     |     |     |      |      |       |       |       | .1    | .2    | .1    |       |       |       |       |      | 4        | 4        |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 8/97         |                                     |     |     |     |      |      |       |       | .1    | .4    |       | .1    |       |       |       |       |      | 5        | 5        |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 6/95         |                                     |     |     |     |      |      |       | .1    | 1.6   | .6    | .6    |       |       |       |       |       |      | 24       | 24       |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/93         |                                     |     |     |     |      |      | .2    | 1.9   | 2.6   | 2.9   | .6    | .1    |       |       |       |       |      | 70       | 70       |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/91         |                                     |     |     | .4  | 2.4  | 5.1  | 4.7   | 1.4   | .6    | .1    |       |       |       |       |       |       |      | 123      | 123      |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| /89          |                                     |     | .1  | 2.0 | 6.5  | 10.8 | 1.9   | 1.2   | .4    |       |       |       |       |       |       |       |      | 191      | 191      |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 8/87         |                                     |     | .6  | 4.9 | 6.8  | 2.7  | .6    | .8    | .5    |       |       |       |       |       |       |       |      | 142      | 142      |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 6/85         |                                     |     | 1.8 | 5.6 | 3.6  | 1.8  | .6    |       |       |       |       |       |       |       |       |       |      | 112      | 112      |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/83         |                                     |     |     | 1.1 | 2.9  | 2.4  | 1.0   | .4    | .4    |       |       |       |       |       |       |       |      | 67       | 67       |           |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/81         |                                     |     | .5  | 1.1 | 1.3  | 1.2  | .2    | .1    | .2    |       |       |       |       |       |       |       |      | 39       | 39       | 18        |     |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| /79          |                                     | .5  | 1.2 | .7  | .1   | .2   |       |       |       |       |       |       |       |       |       |       |      | 23       | 23       | 114       | 1   |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 7/77         | .1                                  | .2  | 1.2 | .2  | .1   |      |       |       |       |       |       |       |       |       |       |       |      | 16       | 16       | 231       | 15  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 6/75         | .1                                  | .1  | .4  |     |      |      |       |       |       |       |       |       |       |       |       |       |      | 5        | 5        | 247       | 79  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/73         |                                     | .8  | .1  |     |      |      |       |       |       |       |       |       |       |       |       |       |      | 8        | 8        | 131       | 156 |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/71         | .1                                  | .5  |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      | 5        | 5        | 53        | 201 |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| /69          | .2                                  | .1  |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      | 3        | 3        | 33        | 108 |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 6/67         |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |          |          | 9         | 96  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/65         |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |          |          | 1         | 49  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 2/63         |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | 22  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| /59          |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | 12  |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 5/57         |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | 8   |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| 5/55         |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | 8   |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |
| TOTAL        | .6                                  | 2.7 | 5.0 | 7.6 | 16.7 | 20.9 | 22.9  | 12.7  | 7.4   | 2.9   | .5    |       |       |       |       |       |      | 837      | 837      |           | 837 |  |  |  |  |  |  |  |  |  |  |                    |       |  |  |

## PSYCHROMETRIC SUMMARY

73-81

YEARS

**AUG**  
**MONTH**

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 0/ 99        |                                     |     |     |     |     |      |       |       |       |       | .4    | .2    |       |       |       |       |     | 5         | 5        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 28/ 97       |                                     |     |     |     |     |      |       |       |       |       | .2    | .4    | .2    |       |       |       |     | 7         | 7        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 26/ 95       |                                     |     |     |     |     |      |       | .1    | .7    | 1.1   | .4    | .5    |       |       |       |       |     | 23        | 23       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 24/ 93       |                                     |     |     |     |     |      |       | .7    | 2.5   | 2.5   | .7    |       |       |       |       |       |     | 54        | 54       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 22/ 91       |                                     |     |     |     |     | .4   | 2.0   | 4.4   | 4.8   | 3.0   | .2    | .1    |       |       |       |       |     | 125       | 125      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 20/ 89       |                                     |     |     |     |     | 1.0  | 4.1   | 7.3   | 2.7   | 2.0   | .6    |       |       |       |       |       |     | 148       | 148      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 18/ 87       |                                     |     | .1  |     | .1  | 4.2  | 5.4   | 2.6   | 1.3   | .2    | .2    |       |       |       |       |       |     | 119       | 119      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 16/ 85       |                                     |     | .1  | .1  | 1.6 | 5.1  | 3.5   | 2.5   | .5    | .2    | .2    |       |       |       |       |       |     | 116       | 116      |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 14/ 83       |                                     |     |     | .6  | 2.7 | 2.2  | 1.6   | .7    | .8    |       |       |       |       |       |       |       |     | 66        | 66       | 1        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 12/ 81       |                                     |     | .5  | 2.6 | 1.1 | 1.1  | .1    | .6    |       |       |       |       |       |       |       |       |     | 50        | 50       | 10       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 10/ 79       |                                     |     | .6  | 1.9 | 1.1 |      |       |       |       |       |       |       |       |       |       |       |     | 30        | 30       | 63       | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 7/ 77        |                                     | .7  | 1.0 | 1.4 | .6  |      |       |       |       |       |       |       |       |       |       |       |     | 31        | 31       | 185      | 9         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 26/ 75       |                                     | 1.1 | .8  | .6  | .1  |      |       |       |       |       |       |       |       |       |       |       |     | 22        | 22       | 260      | 53        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 24/ 73       | .1                                  | .8  | 2.3 | .4  |     |      |       |       |       |       |       |       |       |       |       |       |     | 30        | 30       | 175      | 143       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 22/ 71       |                                     |     | .7  |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 6         | 6        | 88       | 167       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 20/ 69       |                                     | .2  | .4  |     |     |      |       |       |       |       |       |       |       |       |       |       |     | 5         | 5        | 34       | 199       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 18/ 67       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 21       | 129       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 16/ 65       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 70        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 14/ 63       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 30        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 12/ 61       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 10/ 59       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 13        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 8/ 57        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 8         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 5/ 55        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| TOTAL        | .1                                  | 2.9 | 6.5 | 7.6 | 6.6 | 13.9 | 16.6  | 19.0  | 13.4  | 9.3   | 3.1   | 1.1   |       |       |       |       |     | 837       | 837      |          | 837       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |

| Element (X) | Σx'     | Σx    | X̄   | s <sub>x</sub> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        | Total |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum.   | 3036096 | 49138 | 58.7 | 13.455         | 837      | ≤ 6 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |       |
| Dry Bulb    | 6302408 | 72474 | 86.6 | 5.688          | 837      |                                    |        | 93.0   | 91.8   | 81.7   | 9.9    | 93    |
| Wet Bulb    | 4721461 | 62823 | 75.1 | 2.817          | 837      |                                    |        | 93.0   | 77.1   | 3.7    |        | 93    |
| Dew Point   | 4092194 | 58440 | 69.8 | 3.768          | 837      |                                    |        | 76.1   | 23.1   | .2     |        | 93    |



## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION    STATION

73-81

**AUG**  
**MONTH**

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | >31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 87        |                                     |      |      |      |      | .2   |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 85        |                                     |      |      |      | .5   | .2   |       |       |       |       |       |       |       |       |       |       |     | 4         | 4        |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 83        |                                     |      | .2   | .7   | 1.4  | .4   |       | .2    |       |       |       |       |       |       |       |       |     | 16        | 16       |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 81        |                                     |      | 1.4  | 3.0  | 3.4  | .9   | .2    | .2    |       |       |       |       |       |       |       |       |     | 51        | 51       |          |           |  |  |  |  |  |  |  |       |  |       |  |
| 0/ 79        |                                     | .2   | 5.2  | 8.3  | 3.4  | 1.1  |       |       |       |       |       |       |       |       |       |       |     | 102       | 102      | 2        |           |  |  |  |  |  |  |  |       |  |       |  |
| 7/ 77        |                                     | 2.8  | 10.8 | 7.3  | 3.7  | .2   | .2    |       |       |       |       |       |       |       |       |       |     | 141       | 141      | 20       | 2         |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 75        |                                     | 3.9  | 10.8 | 5.3  | 2.0  | .5   |       |       |       |       |       |       |       |       |       |       |     | 127       | 127      | 100      | 29        |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 73        | .4                                  | 4.6  | 6.7  | 1.6  | .5   | .2   |       |       |       |       |       |       |       |       |       |       |     | 79        | 79       | 166      | 107       |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 71        |                                     | 1.8  | 3.4  | .4   |      |      |       |       |       |       |       |       |       |       |       |       |     | 31        | 31       | 146      | 146       |  |  |  |  |  |  |  |       |  |       |  |
| 0/ 69        |                                     | .5   | .7   | .2   | .2   |      |       |       |       |       |       |       |       |       |       |       |     | 9         | 9        | 91       | 117       |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 67        |                                     | .4   |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     | 2         | 2        | 25       | 101       |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 65        |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 11       | 41        |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 63        |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 2        | 8         |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 61        |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 5         |  |  |  |  |  |  |  |       |  |       |  |
| 0/ 59        |                                     |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 7         |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .4                                  | 14.2 | 39.3 | 26.8 | 15.1 | 3.6  | .4    | .4    |       |       |       |       |       |       |       |       |     | 563       | 563      | 563      | 563       |  |  |  |  |  |  |  |       |  |       |  |

2

## PSYCHROMETRIC SUMMARY

AUG  
MONTH

ALL

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                                      STATION NAME

74, 76, 78-A1

YEARS

CP

PAGE 1 0300-0500  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 77 / 77      |                                     |      | 1.6  |     | .8  |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 76 / 75      |                                     | 1.6  | 4.0  | .8  |     |      |       |       |       |       |       |       |       |       |       |       |      | 8         | 8        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 74 / 73      |                                     | 2.4  | 8.0  | 3.2 |     |      |       |       |       |       |       |       |       |       |       |       |      | 17        | 17       | 8        | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 72 / 71      |                                     | 7.2  | 17.6 | 2.4 |     | .8   |       |       |       |       |       |       |       |       |       |       |      | 35        | 35       | 9        | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 70 / 69      |                                     | 2.4  | 13.6 | .8  |     |      |       |       |       |       |       |       |       |       |       |       |      | 21        | 21       | 23       | 14        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 68 / 67      |                                     | 1.6  | 4.8  | 2.4 |     |      |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 26       | 18        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 66 / 65      |                                     | 2.4  | 3.2  | 2.4 |     |      | .8    |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 17       | 22        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 64 / 63      |                                     | .8   | 3.2  | .8  |     |      |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        | 12       | 19        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 62 / 61      |                                     | 1.6  | 2.4  | 1.6 | .8  |      |       |       |       |       |       |       |       |       |       |       |      | 8         | 8        | 6        | 11        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 60 / 59      |                                     |      |      |     | .8  |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 12       | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 58 / 57      |                                     | .8   |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 2        | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 56 / 55      |                                     | .8   |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 4        | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 54 / 53      |                                     |      | .8   |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 1        | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 52 / 51      |                                     |      | .8   |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 1        | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 50 / 49      |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 48 / 47      |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 46 / 45      |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 44 / 43      |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| TOTAL        | 21.6                                | 63.0 | 14.4 | 2.4 | .8  | .8   |       |       |       |       |       |       |       |       |       |       |      | 125       | 125      | 125      | 125       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                                      STATION NAME

73-81

**YEARS**

SEP  
MONTH

PAGE 1 D900-1100  
HOURS (L to S, T to T)

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                |
|---------|----------------|
| 722265  | MAXWELL AFB AL |
| STATION | STATION NAME   |

73-81

YEARS

SEP  
MONTH

PAGE 1 1270-14JC  
MOBIS 11-5-71

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/101        |                                     |     |     |     |     |      |       |       |       |       |       |       |       | .2    |       |       |      | 2         |          | 2        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/99        |                                     |     |     |     |     |      |       |       |       |       |       |       | .2    | .4    |       |       |      | 5         |          | 5        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/97         |                                     |     |     |     |     |      |       |       |       |       |       | .5    | .7    | .1    |       |       |      | 11        |          | 11       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/95         |                                     |     |     |     |     |      |       |       |       |       | .2    | .7    | .4    |       |       |       |      | 11        |          | 11       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/93         |                                     |     |     |     |     |      |       |       | .2    | 1.1   | 2.7   | .5    |       | .1    |       |       |      | 38        |          | 38       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/91         |                                     |     |     |     |     |      | .1    | 1.4   | 2.2   | 2.7   | 1.2   | .2    |       | .2    |       |       |      | 66        |          | 66       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/89         |                                     |     |     |     |     | .1   | 1.0   | 4.4   | 2.2   | 2.1   | .7    | .1    |       | .1    | .1    |       |      | 89        |          | 89       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/87         |                                     |     |     |     |     | 2.3  | 5.3   | 3.7   | 2.8   | .4    | .4    | .2    | .1    |       |       |       |      | 124       |          | 124      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/85         |                                     |     |     | .4  | 1.1 | 4.3  | 2.7   | 2.0   | 1.0   | .2    |       | .1    | .1    |       |       |       |      | 99        |          | 99       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/83         |                                     |     | .1  | .5  | 2.8 | 3.2  | 2.0   | 1.2   | 1.1   | .6    | .5    |       |       |       |       |       |      | 98        |          | 98       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/81         |                                     |     |     | 1.2 | 2.0 | 1.4  | .7    | .7    | .6    | .4    | .5    |       |       |       |       |       |      | 61        |          | 61       |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/79         |                                     | .1  |     | .4  | .6  | .6   | .6    | .5    | .6    | .5    | .1    |       |       |       |       |       |      | 33        |          | 33       | 11        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7/77         |                                     |     | .2  | .9  | .5  | .5   | .4    | .2    | .4    | .7    |       |       |       |       |       |       |      | 31        |          | 31       | 78        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/75         |                                     | .2  | .6  | 1.2 | .7  | 1.0  | .7    | .4    | .2    |       |       |       |       |       |       |       |      | 42        |          | 42       | 194       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/73         |                                     | .5  | .5  | .4  | .4  | .4   | .1    | .2    | .6    |       |       |       |       |       |       |       |      | 25        |          | 25       | 184       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/71         |                                     | .1  | .7  | .4  | .4  | .5   | .2    |       | .2    |       |       |       |       |       |       |       |      | 21        |          | 21       | 99        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/69         |                                     | .1  | 1.4 | .5  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 17        |          | 17       | 47        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/67         |                                     | .1  | .7  |     | .2  |      |       |       |       |       |       |       |       |       |       |       |      | 9         |          | 9        | 48        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/65         | .1                                  | .4  | .7  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 10        |          | 10       | 47        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/63         |                                     |     | .1  | .5  |     |      |       |       |       |       |       |       |       |       |       |       |      | 5         |          | 5        | 41        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/61         |                                     |     | .5  |     | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 5         |          | 5        | 26        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/59         |                                     |     | .1  | .5  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 6         |          | 6        | 13        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/57         |                                     |     | .1  | .1  |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         |          | 2        | 12        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5/55         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/53         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/51         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 5/49         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/47         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/45         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/43         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/41         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | .1                                  | 1.6 | 5.9 | 6.9 | 9.1 | 14.3 | 14.0  | 14.8  | 12.3  | 8.8   | 6.7   | 2.5   | 1.6   | 1.2   | .1    |       |      | 810       |          | 810      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 810       |          | 810      |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

| Element (X) | $\Sigma x^4$ |  |
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**YEARS**

SEP  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          |            |       |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-------|-----|------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------------------------------------|------|----------|----------|------------|-------|--|--|--|--|--|--|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6   | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31 | Dry Bulb | Wet Bulb | Gov. Point |       |  |  |  |  |  |  |                    |       |  |  |
| 10/ 89       |                                     |     |     |       |     |      |       |       |       |       |       |       |          | .5    | .1    |                                    |      | 5        | 5        |            |       |  |  |  |  |  |  |                    |       |  |  |
| 9/ 97        |                                     |     |     |       |     |      |       |       |       |       |       |       | .9       | .4    |       |                                    |      | 10       | 10       |            |       |  |  |  |  |  |  |                    |       |  |  |
| 6/ 95        |                                     |     |     |       |     |      |       |       |       |       |       | .5    | .7       | .2    |       |                                    |      | 12       | 12       |            |       |  |  |  |  |  |  |                    |       |  |  |
| 4/ 93        |                                     |     |     |       |     |      |       |       |       | .7    | 2.1   | 1.1   | .2       | .2    |       |                                    |      | 36       | 36       |            |       |  |  |  |  |  |  |                    |       |  |  |
| 2/ 91        |                                     |     |     |       |     | .5   | 1.1   | 2.6   | 1.5   | .4    | .1    |       |          |       | .2    |                                    |      | 52       | 52       |            |       |  |  |  |  |  |  |                    |       |  |  |
| 0/ 89        |                                     |     |     |       | .1  | .6   | 4.0   | 3.0   | 2.1   | .5    | .5    |       |          | .1    |       |                                    |      | 88       | 88       |            |       |  |  |  |  |  |  |                    |       |  |  |
| 8/ 87        |                                     |     |     |       |     | 1.0  | 4.3   | 3.6   | 2.5   | .5    | .2    | .6    | .1       |       |       |                                    |      | 104      | 104      |            |       |  |  |  |  |  |  |                    |       |  |  |
| 6/ 85        |                                     |     |     | .1    | .6  | 2.9  | 3.3   | 2.2   | 1.0   | 1.4   | .1    | .1    |          |       |       |                                    |      | 95       | 95       |            |       |  |  |  |  |  |  |                    |       |  |  |
| 4/ 83        |                                     |     |     | .4    | 1.5 | 1.2  | 2.1   | 1.7   | 1.5   | .2    | .2    |       |          |       |       |                                    |      | 72       | 72       |            |       |  |  |  |  |  |  |                    |       |  |  |
| 2/ 81        |                                     | .2  |     | .9    | 1.7 | 1.7  | .6    | .5    | .1    | .6    | .6    |       |          |       |       |                                    |      | 57       | 57       |            |       |  |  |  |  |  |  |                    |       |  |  |
| 0/ 79        |                                     | .2  | .6  | 2.2   | 1.5 | .7   | .9    | .4    | .4    | .6    | .2    |       |          |       |       |                                    |      | 63       | 63       | 5          |       |  |  |  |  |  |  |                    |       |  |  |
| 7/ 77        |                                     | .2  | 1.4 | 1.6   | 1.0 | .5   | .2    | .4    | .5    | .5    |       |       |          |       |       |                                    |      | 51       | 51       | 49         |       |  |  |  |  |  |  |                    |       |  |  |
| 6/ 75        | .1                                  | .4  | .9  | 1.2   | .9  | .9   | .5    | .5    | .1    | .1    |       |       |          |       |       |                                    |      | 45       | 45       | 139        |       |  |  |  |  |  |  |                    |       |  |  |
| 4/ 73        |                                     |     | .1  | 1.0   | .6  | .4   | .1    | .1    | .6    | .1    |       |       |          |       |       |                                    |      | 25       | 25       | 228        |       |  |  |  |  |  |  |                    |       |  |  |
| 2/ 71        |                                     |     | 1.6 | .7    | .5  | .2   | .2    | .1    |       |       |       |       |          |       |       |                                    |      | 28       | 28       | 105        |       |  |  |  |  |  |  |                    |       |  |  |
| 0/ 69        | .4                                  | .4  | 2.1 | .4    | .6  | .2   |       |       |       |       |       |       |          |       |       |                                    |      | 33       | 33       | 73         |       |  |  |  |  |  |  |                    |       |  |  |
| 6/ 67        |                                     | .2  | .4  |       |     | .1   |       |       |       |       |       |       |          |       |       |                                    |      | 6        | 6        | 62         |       |  |  |  |  |  |  |                    |       |  |  |
| 4/ 65        |                                     | .1  | .4  | .1    |     |      |       |       |       |       |       |       |          |       |       |                                    |      | 5        | 5        | 46         |       |  |  |  |  |  |  |                    |       |  |  |
| 2/ 63        |                                     |     | .2  |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      | 2        | 2        | 36         |       |  |  |  |  |  |  |                    |       |  |  |
| 0/ 61        |                                     |     | .5  |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      | 4        | 4        | 29         |       |  |  |  |  |  |  |                    |       |  |  |
| 7/ 59        |                                     | .5  | .5  | .2    |     |      |       |       |       |       |       |       |          |       |       |                                    |      | 10       | 10       | 10         |       |  |  |  |  |  |  |                    |       |  |  |
| 5/ 57        |                                     |     |     | .5    |     |      |       |       |       |       |       |       |          |       |       |                                    |      | 4        | 4        | 16         |       |  |  |  |  |  |  |                    |       |  |  |
| 3/ 55        |                                     |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          | 3          |       |  |  |  |  |  |  |                    |       |  |  |
| 1/ 53        |                                     |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          | 2          |       |  |  |  |  |  |  |                    |       |  |  |
| 52/ 51       |                                     |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          | 4          |       |  |  |  |  |  |  |                    |       |  |  |
| 5/ 49        |                                     |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          |            |       |  |  |  |  |  |  |                    |       |  |  |
| 4/ 47        |                                     |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          | 10         |       |  |  |  |  |  |  |                    |       |  |  |
| 2/ 45        |                                     |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          | 9          |       |  |  |  |  |  |  |                    |       |  |  |
| 0/ 43        |                                     |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          | 6          |       |  |  |  |  |  |  |                    |       |  |  |
| 42/ 41       |                                     |     |     |       |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          | 1          |       |  |  |  |  |  |  |                    |       |  |  |
| TOTAL        | .5                                  | 2.4 | 8.7 | 9.4   | 8.9 | 10.0 | 13.0  | 14.0  | 10.8  | 9.5   | 5.6   | 3.2   | 2.1      | 1.5   | .4    |                                    |      | 807      | 807      | 807        |       |  |  |  |  |  |  |                    |       |  |  |
| Element (X)  | Σ x'                                |     |     | Σ x   |     |      | Σ     |       |       | Σ     |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |      |          |          |            | Total |  |  |  |  |  |  |                    |       |  |  |
| Rel. Hum.    | 2775325                             |     |     | 45385 |     |      |       |       |       |       |       |       |          |       |       |                                    |      |          |          |            |       |  |  |  |  |  |  |                    |       |  |  |

## PSYCHROMETRIC SUMMARY

72:265  
STATION

MAXWELL AFB AL

73-81

SEP  
MONTH

PAGE 1 1800-2000

HOURS: 11 A.M. - 5 P.M.

[illegible]



| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |     |  |  |  |  |  |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|-----|--|--|--|--|--|--|--|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |                    |       |  |  |
| 12/101       |                                     |     |     |     |     |      |       |       |       |       |       |       |       | .0    |       |       |      | 2        | 2        |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 10/99        |                                     |     |     |     |     |      |       |       |       |       |       |       |       | .0    | .1    | .0    |      | 10       | 10       |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 8/97         |                                     |     |     |     |     |      |       |       |       |       |       | .1    | .3    | .1    |       |       |      | 21       | 21       |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 6/95         |                                     |     |     |     |     |      |       |       |       |       | .1    | .2    | .2    | .0    |       |       |      | 25       | 25       |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 4/93         |                                     |     |     |     |     |      |       |       | .0    | .3    | .9    | .3    | .0    | .1    |       |       |      | 78       | 78       |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 2/91         |                                     |     |     |     |     | .0   | .0    | .3    | .7    | 1.0   | .5    | .1    | .0    | .0    | .0    |       |      | 129      | 129      |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 0/89         |                                     |     |     |     |     | .0   | .3    | 1.6   | 1.1   | .9    | .3    | .1    |       | .0    | .0    |       |      | 213      | 213      |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| -8/87        |                                     |     |     |     | .9  | 2.0  | 1.6   | 1.2   | .2    | .1    | .2    | .0    |       |       |       |       |      | 296      | 296      |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 6/85         |                                     |     | .0  | .1  | .4  | 1.8  | 1.3   | 1.4   | .5    | .3    | .1    | .0    | .0    |       |       |       |      | 305      | 305      |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 4/83         |                                     | .0  | .5  | 1.6 | 1.8 | 1.5  | .8    | .5    | .2    | .2    | .0    |       |       |       |       |       |      | 337      | 337      |           |     |  |  |  |  |  |  |  |                    |       |  |  |
| 2/81         | .0                                  | .2  | 1.1 | 1.9 | 1.8 | .8   | .4    | .2    | .2    | .2    |       |       |       |       |       |       |      | 331      | 331      | 1         |     |  |  |  |  |  |  |  |                    |       |  |  |
| 0/79         | .1                                  | .8  | 2.0 | 2.2 | 1.4 | .6   | .3    | .3    | .2    | .1    |       |       |       |       |       |       |      | 374      | 374      | 19        |     |  |  |  |  |  |  |  |                    |       |  |  |
| 79/77        | .4                                  | 1.9 | 2.7 | 2.5 | .6  | .4   | .2    | .3    | .2    |       |       |       |       |       |       |       |      | 435      | 435      | 202       | 13  |  |  |  |  |  |  |  |                    |       |  |  |
| 6/75         | .0                                  | 1.2 | 3.0 | 2.6 | 1.6 | .8   | .4    | .4    | .1    | .0    |       |       |       |       |       |       |      | 485      | 485      | 566       | 87  |  |  |  |  |  |  |  |                    |       |  |  |
| 4/73         | .2                                  | 1.4 | 2.6 | 2.4 | .6  | .6   | .2    | .2    | .3    | .0    |       |       |       |       |       |       |      | 403      | 403      | 934       | 268 |  |  |  |  |  |  |  |                    |       |  |  |
| 2/71         | .1                                  | 1.6 | 3.2 | 1.5 | .7  | .4   | .2    | .1    | .1    |       |       |       |       |       |       |       |      | 372      | 372      | 725       | 550 |  |  |  |  |  |  |  |                    |       |  |  |
| 0/69         | .2                                  | .8  | 3.4 | 1.0 | .6  | .3   | .1    | .1    |       |       |       |       |       |       |       |       |      | 314      | 314      | 588       | 706 |  |  |  |  |  |  |  |                    |       |  |  |
| 68/67        | .0                                  | .7  | 1.4 | 1.0 | .3  | .2   | .2    | .1    |       |       |       |       |       |       |       |       |      | 186      | 186      | 454       | 696 |  |  |  |  |  |  |  |                    |       |  |  |
| 66/65        | .0                                  | .6  | 1.2 | .6  | .2  | .1   | .1    |       |       |       |       |       |       |       |       |       |      | 136      | 136      | 356       | 637 |  |  |  |  |  |  |  |                    |       |  |  |
| 64/63        | .0                                  | .1  | .6  | .5  | .1  | .1   | .0    |       |       |       |       |       |       |       |       |       |      | 72       | 72       | 270       | 454 |  |  |  |  |  |  |  |                    |       |  |  |
| 62/61        | .2                                  | .6  | .4  | .1  | .0  |      |       |       |       |       |       |       |       |       |       |       |      | 64       | 64       | 209       | 300 |  |  |  |  |  |  |  |                    |       |  |  |
| 60/59        | .2                                  | .5  | .3  | .1  |     |      |       |       |       |       |       |       |       |       |       |       |      | 52       | 52       | 129       | 229 |  |  |  |  |  |  |  |                    |       |  |  |
| 58/57        | .1                                  | .4  | .3  | .0  |     |      |       |       |       |       |       |       |       |       |       |       |      | 40       | 40       | 105       | 202 |  |  |  |  |  |  |  |                    |       |  |  |
| 56/55        | .0                                  | .2  | .1  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 18       | 18       | 59        | 145 |  |  |  |  |  |  |  |                    |       |  |  |
| 54/53        | .0                                  | .1  | .0  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 9        | 9        | 55        | 95  |  |  |  |  |  |  |  |                    |       |  |  |
| 52/51        | .1                                  |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 7        | 7        | 24        | 105 |  |  |  |  |  |  |  |                    |       |  |  |
| 50/49        | .0                                  |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 2        | 2        | 13        | 75  |  |  |  |  |  |  |  |                    |       |  |  |
| 48/47        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          | 6         | 65  |  |  |  |  |  |  |  |                    |       |  |  |
| 46/45        |                                     | .0  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1        | 1        | 1         | 55  |  |  |  |  |  |  |  |                    |       |  |  |
| 44/43        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           | 25  |  |  |  |  |  |  |  |                    |       |  |  |
| 42/41        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          | 1         | 9   |  |  |  |  |  |  |  |                    |       |  |  |
| 38/37        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |          |          |           |     |  |  |  |  |  |  |  |                    |       |  |  |

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## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

OCT  
MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 81           |                                     | .1   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 79           |                                     |      | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 1        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 77           |                                     | .5   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 4         | 4        | 1        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 75           |                                     |      |      | .2   |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 4        | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 73           |                                     | .1   | .2   | .6   |     |      |       |       |       |       |       |       |       |       |       |       |      | 8         | 8        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 71           |                                     | .6   | 1.1  | 1.2  |     | .1   |       | .2    |       |       |       |       |       |       |       |       |      | 27        | 27       | 4        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 69           | .4                                  | 1.3  | 1.6  | .4   |     |      | .2    | .1    |       |       |       |       |       |       |       |       |      | 33        | 33       | 13       | 8         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 67           | .4                                  | .6   | 3.7  | 1.2  | .1  | .1   |       |       |       |       |       |       |       |       |       |       |      | 50        | 50       | 31       | 21        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 65           |                                     | 1.5  | 2.4  | .5   | 1.7 | .1   |       |       |       |       |       |       |       |       |       |       |      | 45        | 45       | 28       | 18        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 63           | .1                                  | 1.6  | 2.9  | 1.0  | .2  | .2   | .2    |       |       |       |       |       |       |       |       |       |      | 52        | 52       | 48       | 37        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 61           |                                     | 3.2  | 3.2  | 1.1  | .4  |      |       |       |       |       |       |       |       |       |       |       |      | 64        | 64       | 46       | 35        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 59           |                                     | 3.9  | 2.6  | 1.2  | 1.7 | .2   | .2    |       |       |       |       |       |       |       |       |       |      | 75        | 75       | 69       | 49        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 57           |                                     | 2.9  | 1.6  | 1.2  | .9  |      | .1    |       |       |       |       |       |       |       |       |       |      | 55        | 55       | 71       | 70        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 55           | .2                                  | 3.5  | 3.9  | 1.8  | 1.6 | .7   |       |       |       |       |       |       |       |       |       |       |      | 97        | 97       | 62       | 53        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 53           |                                     | 2.2  | 3.4  | 1.3  | .5  |      |       |       |       |       |       |       |       |       |       |       |      | 61        | 61       | 66       | 52        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 51           | .2                                  | 2.0  | 3.2  | 1.3  | .4  | .2   |       |       |       |       |       |       |       |       |       |       |      | 60        | 60       | 57       | 63        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 49           |                                     | 1.7  | 3.1  | 1.2  | .2  | .1   |       |       |       |       |       |       |       |       |       |       |      | 52        | 52       | 72       | 51        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 47           | .1                                  | 2.0  | 1.8  | 1.2  |     |      |       |       |       |       |       |       |       |       |       |       |      | 42        | 42       | 67       | 58        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 45           | .1                                  | 2.0  | 1.5  | .9   | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 37        | 37       | 60       | 52        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 43           |                                     | .7   | 2.1  | .4   |     |      |       |       |       |       |       |       |       |       |       |       |      | 26        | 26       | 41       | 54        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 41           |                                     | .6   | .7   | .1   |     |      |       |       |       |       |       |       |       |       |       |       |      | 12        | 12       | 32       | 50        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 39           |                                     | 1.1  | .2   |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 11        | 11       | 27       | 43        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 37           |                                     | .2   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 16       | 36        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 35           |                                     | .1   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 1        | 32        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 33           |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 14        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 31           |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 11        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 29           |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| 27           |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |
| TOTAL        | 1.6                                 | 32.5 | 39.4 | 17.0 | 6.4 | 2.0  | .9    | .4    |       |       |       |       |       |       |       |       |      | 818       | 818      | 818      | 818       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |  |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

OCT  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. Y.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       | TOTAL<br>D.B./W.B. | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-------|------|------|------|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4   | 5-6  | 7-8  | 9-10 | 11-12  | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | = 31               | Dry Bulb | Wet Bulb | Dew Point |
| 8 / 87       |                                     |     |       |      |      |      |        | .1    | .2    |       |       |       |        |       |        |       |                    | 3        | 3        |           |
| 6 / 85       |                                     |     | .2    |      |      | .1   | .1     | .1    |       |       |       |       |        |       |        |       |                    | 5        | 5        |           |
| 4 / 83       |                                     | .1  |       |      |      |      | .8     | .4    | .4    |       |       |       |        |       |        |       |                    | 14       | 14       | 1         |
| 2 / 81       |                                     |     |       |      | .1   | .5   | .5     | .4    | .1    | .1    |       |       |        |       |        |       |                    | 14       | 14       | 2         |
| 0 / 79       |                                     |     |       | .2   | .8   | 2.0  | .7     | .5    | .2    | .2    | .1    |       |        |       |        |       |                    | 41       | 41       | 1         |
| 7 / 77       |                                     | .1  | .2    | .1   | .8   | 1.4  | 1.3    | .6    | .2    | .2    |       |       |        |       |        |       |                    | 43       | 43       | 1         |
| 6 / 75       |                                     | .1  | .2    | .5   | 1.1  | 1.9  | .7     | 1.2   | .5    | .1    | .1    |       |        |       |        |       |                    | 54       | 54       | 1         |
| 4 / 73       |                                     | .1  | .7    | .5   | 1.6  | 2.0  | .7     | 1.2   | .7    | .4    |       |       |        |       |        |       |                    | 66       | 66       | 16        |
| 2 / 71       | .1                                  | .2  | .8    | .8   | 2.3  | 1.4  | 1.4    | 1.0   | .6    | .1    |       |       |        |       |        |       |                    | 74       | 74       | 22        |
| 0 / 69       |                                     | .5  | 1.2   | 1.3  | 1.7  | 2.0  | 1.1    | 1.2   | .5    | .1    |       |       |        |       |        |       |                    | 80       | 80       | 54        |
| 6 / 67       |                                     | .5  | .8    | 1.8  | .8   | 1.8  | .8     | 1.3   | .7    | .1    |       |       |        |       |        |       |                    | 73       | 73       | 45        |
| 4 / 65       |                                     | .7  | 1.3   | 1.2  | 1.6  | .8   | 2.5    | 1.0   | .5    |       |       |       |        |       |        |       |                    | 80       | 80       | 73        |
| 2 / 63       |                                     | 1.0 | 1.1   | 1.2  | 1.1  | 1.3  | 1.9    | .7    | .4    |       |       |       |        |       |        |       |                    | 72       | 72       | 79        |
| 0 / 61       | .1                                  | .6  | .4    | .8   | 1.7  | 1.0  | 1.3    | 1.2   |       |       |       |       |        |       |        |       |                    | 59       | 59       | 85        |
| 7 / 59       |                                     | .2  | .6    | .8   | 1.6  | 1.7  | .7     | .4    |       |       |       |       |        |       |        |       |                    | 50       | 50       | 68        |
| 5 / 57       |                                     | .6  | .8    | .6   | 1.4  | .5   | .8     |       |       |       |       |       |        |       |        |       |                    | 40       | 40       | 64        |
| 3 / 55       |                                     | .2  | .4    | .4   | .5   | 1.3  | .5     |       |       |       |       |       |        |       |        |       |                    | 27       | 27       | 56        |
| 1 / 53       |                                     | .2  | 1.0   | .4   | .4   | .5   | .1     |       |       |       |       |       |        |       |        |       |                    | 21       | 21       | 76        |
| 2 / 51       |                                     | .2  | .1    | .4   | .2   | .1   |        |       |       |       |       |       |        |       |        |       |                    | 9        | 9        | 70        |
| 5 / 49       |                                     |     | .2    | .2   | .2   |      |        |       |       |       |       |       |        |       |        |       |                    | 6        | 6        | 53        |
| 4 / 47       |                                     |     |       | .1   |      |      |        |       |       |       |       |       |        |       |        |       |                    | 2        | 2        | 29        |
| 4 / 45       |                                     |     |       | .1   |      |      |        |       |       |       |       |       |        |       |        |       |                    | 1        | 1        | 26        |
| 4 / 43       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 8         |
| 2 / 41       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 4         |
| 4 / 39       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 1         |
| 34 / 37      |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 25        |
| 36 / 35      |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 26        |
| 34 / 33      |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 19        |
| 32 / 31      |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 13        |
| 30 / 29      |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 8         |
| 28 / 27      |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    |          |          | 2         |
| TOTAL        | .2                                  | 5.5 | 10.3  | 11.5 | 17.9 | 20.5 | 16.2   | 11.2  | 5.0   | 1.4   | .2    |       |        |       |        |       |                    | 834      | 834      | 834       |
|              |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |                    | 834      | 834      |           |
| Element (X)  | Σ X'                                |     | Σ X   |      | Σ X  |      | Σ X    |       | Σ X   |       | Σ X   |       | Σ X    |       | Σ X    |       | Σ X                |          | Σ X      |           |
| Rel. Hum.    | 3070822                             |     | 48870 |      | 58.6 |      | 15.771 |       | 834   |       | Σ 0 F |       | Σ 32 F |       | Σ 67 F |       | Σ 75 F             |          | Σ 80 F   |           |
| Dry Bulb     | 3887938                             |     | 56568 |      | 67.8 |      | 7.831  |       | 834   |       |       |       | 52.1   |       | 26.8   |       | 6.0                |          | 93       |           |
| Wet Bulb     | 2953409                             |     | 49231 |      | 59.0 |      | 7.536  |       | 834   |       |       |       | 15.8   |       | 2.3    |       | .3                 |          | 93       |           |
| Dew Point    | 2337274                             |     | 43312 |      | 51.9 |      | 10.276 |       | 834   |       | 2.6   |       | 5.9    |       | .6     |       | .3                 |          | 93       |           |

FORM 0-26-5 (OLA) REPRODUCED BY THE NATIONAL BUREAU OF STANDARDS

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

QCT  
MONTH

1200-1400  
HOURS (L. S. T.)

[illegible]

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

## PSYCHROMETRIC SUMMARY

OCT  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]

2

## 2

OCT  
MONTH

1530-1700  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISÉD NEVOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

CCT  
MONTH

1900-1901  
HOURS (L.S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

OCT  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |        |       |        |  |        | TOTAL<br>D.B./W.B. | TOTAL |    |  |
|--------------|-------------------------------------|-----|-------|------|------|------|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|--|--------|--------------------|-------|----|--|
|              | 0                                   | 1-2 | 3-4   | 5-6  | 7-8  | 9-10 | 11-12  | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | ≥ 31   | TOTAL |        |  | TOTAL  |                    |       |    |  |
| 1 / 85       |                                     |     |       |      |      |      |        |       | .1    |       |       |       |        |       |        |       |        | 1     |        |  | 1      |                    |       |    |  |
| 6 / 85       |                                     |     |       |      |      |      |        |       | .1    |       |       |       |        |       |        |       |        | 1     |        |  | 1      |                    |       |    |  |
| 4 / 83       |                                     |     |       |      | .1   |      | .4     |       |       |       |       |       |        |       |        |       |        | 4     |        |  | 4      |                    |       |    |  |
| 1 / 81       |                                     |     |       |      |      | .2   | .5     | .1    | .2    |       |       |       |        |       |        |       |        | 9     |        |  | 9      |                    |       |    |  |
| 1 / 79       |                                     |     | .1    | .1   | .2   | .6   | .6     |       | .1    |       |       |       |        |       |        |       |        | 15    |        |  | 15     |                    |       |    |  |
| 7 / 77       |                                     |     | .1    | .2   | .2   | .5   | .2     |       |       |       |       |       |        |       |        |       |        | 11    |        |  | 11     |                    |       |    |  |
| 6 / 75       |                                     | .2  | .2    | .5   | 1.0  | 1.6  | 1.0    |       |       |       |       |       |        |       |        |       |        | 37    |        |  | 37     |                    | 3     |    |  |
| 4 / 73       |                                     | .7  | .2    | .7   | 1.6  | 1.4  | .5     | .2    |       | .2    |       |       |        |       |        |       |        | 47    |        |  | 47     |                    | 9     | 3  |  |
| 1 / 71       |                                     | .2  | .8    | 1.0  | 2.5  | 2.0  | .6     |       |       | .1    | .2    |       |        |       |        |       |        | 63    |        |  | 63     |                    | 13    | 12 |  |
| 1 / 69       |                                     | .5  | 1.4   | 2.2  | 2.2  | 2.4  | .8     | .5    | .5    |       |       |       |        |       |        |       |        | 87    |        |  | 87     |                    | 27    | 5  |  |
| 6 / 67       | .1                                  | .1  | 2.5   | 2.5  | 2.5  | .7   | .5     | .2    | .1    |       |       |       |        |       |        |       |        | 78    |        |  | 78     |                    | 33    | 16 |  |
| 6 / 65       |                                     | 1.3 | 1.6   | 2.9  | 2.4  | 1.1  | .8     | .2    |       |       |       |       |        |       |        |       |        | 86    |        |  | 86     |                    | 70    | 21 |  |
| 4 / 63       |                                     | .8  | 1.6   | 2.0  | 1.2  | 1.9  | 1.0    | .2    |       |       |       |       |        |       |        |       |        | 73    |        |  | 73     |                    | 81    | 38 |  |
| 2 / 61       |                                     | .5  | 1.8   | 1.4  | 1.6  | 1.3  | .6     | .4    |       |       |       |       |        |       |        |       |        | 63    |        |  | 63     |                    | 90    | 67 |  |
| 1 / 59       |                                     | .8  | 1.3   | 1.1  | 1.8  | 1.6  | 1.2    |       |       |       |       |       |        |       |        |       |        | 65    |        |  | 65     |                    | 80    | 72 |  |
| 3 / 57       |                                     | 1.0 | 1.1   | .8   | 2.3  | 2.0  | .5     |       |       |       |       |       |        |       |        |       |        | 64    |        |  | 64     |                    | 79    | 59 |  |
| 50 / 55      |                                     | .2  | 1.3   | 1.4  | 1.6  | 1.7  | .1     |       |       |       |       |       |        |       |        |       |        | 53    |        |  | 53     |                    | 56    | 89 |  |
| 4 / 53       |                                     | .7  | 1.2   | 1.9  | 1.1  | .4   |        |       |       |       |       |       |        |       |        |       |        | 44    |        |  | 44     |                    | 62    | 61 |  |
| 2 / 51       |                                     | .2  | .4    | .5   | 1.1  |      |        |       |       |       |       |       |        |       |        |       |        | 18    |        |  | 18     |                    | 61    | 51 |  |
| 5 / 49       |                                     | .2  | .1    | .5   | .4   |      |        |       |       |       |       |       |        |       |        |       |        | 10    |        |  | 10     |                    | 67    | 47 |  |
| 4 / 47       |                                     |     | .1    | .2   |      |      |        |       |       |       |       |       |        |       |        |       |        | 3     |        |  | 3      |                    | 55    | 39 |  |
| 4 / 45       |                                     |     | .2    |      |      |      |        |       |       |       |       |       |        |       |        |       |        | 2     |        |  | 2      |                    | 31    | 52 |  |
| 4 / 43       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |        |       |        |  |        | 15                 | 45    |    |  |
| 2 / 41       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |        |       |        |  |        | 2                  | 32    |    |  |
| 4 / 39       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |        |       |        |  |        |                    |       | 39 |  |
| 3 / 37       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |        |       |        |  |        |                    |       | 35 |  |
| 2 / 35       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |        |       |        |  |        |                    |       | 41 |  |
| 3 / 33       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |        |       |        |  |        |                    |       | 11 |  |
| 2 / 31       |                                     |     |       |      |      |      |        |       |       |       |       |       |        |       |        |       |        |       |        |  |        |                    |       | 1  |  |
| TOTAL        | .1                                  | 7.7 | 16.2  | 20.0 | 23.6 | 19.4 | 9.2    | 1.9   | 1.3   | .5    |       |       |        |       |        |       |        | 834   |        |  | 834    |                    | 834   |    |  |
| Element (X)  | Σ R'                                |     | Σ R   |      | Σ X  |      | Σ X    |       | Σ X   |       | Σ X   |       | Σ X    |       | Σ X    |       | Σ X    |       | Σ X    |  | Σ X    |                    | Σ X   |    |  |
| Rel. Hum.    | 3652406                             |     | 53932 |      | 64.7 |      | 14.066 |       | 834   |       | Σ 0 F |       | Σ 32 F |       | Σ 67 F |       | Σ 73 F |       | Σ 80 F |  | Σ 93 F |                    | Total |    |  |
| Dry Bulb     | 3541907                             |     | 53995 |      | 64.7 |      | 7.443  |       | 834   |       |       |       | 39.4   |       | 13.9   |       | 2.3    |       |        |  |        |                    | 93    |    |  |
| Wet Bulb     | 2623961                             |     | 48157 |      | 57.7 |      | 7.207  |       | 834   |       |       |       | 9.5    |       | 1.3    |       |        |       |        |  |        |                    | 93    |    |  |
| Dew Point    | 2329217                             |     | 43385 |      | 52.0 |      | 9.317  |       | 834   |       |       |       | .1     |       | 4.0    |       | .3     |       |        |  |        |                    | 93    |    |  |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

73-81

OCT  
MONTH

PAGE 1

2100-2300  
HOURS (L S T)

[illegible]

USE WITH CAUTION  
SEE FIRST PAGE

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION                                      STATION NAME

73-81

YEARS

OCT  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |     |        |  |  |        |  |  | TOTAL<br>D.B./W.B. | TOTAL |  |        |  |  |       |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|------|----------|----------|-----------|-----|--------|--|--|--------|--|--|--------------------|-------|--|--------|--|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18          | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 91         |                                     |     |     |     |     |      | .0    |       |       | .1             | .1    | .1    |          |       |       |                                    |      | 12       | 12       |           |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 89         |                                     |     |     |     |     |      | .0    |       | .0    | .1             | .0    | .1    | .0       |       |       |                                    |      | 14       | 14       |           |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 8/ 87        |                                     |     |     |     |     | .0   |       | .1    | .3    | .1             | .0    | .0    |          |       |       |                                    |      | 25       | 25       |           |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 6/ 85        |                                     |     | .0  | .0  |     | .0   | .1    | .4    | .4    | .1             | .2    | .1    |          |       |       |                                    |      | 63       | 63       |           |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 4/ 83        |                                     | .0  |     | .0  | .0  | .0   | .5    | .5    | .5    | .3             | .2    | .1    |          |       | .1    |                                    |      | 112      | 112      | 1         |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 2/ 81        |                                     | .0  |     | .1  | .1  | .3   | .5    | 1.0   | .6    | .3             | .2    | .0    | .0       |       | .0    |                                    |      | 154      | 154      | 2         | 2   |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 79         |                                     | .0  | .1  | .2  | .2  | .6   | .6    | 1.0   | .8    | .4             | .4    | .2    | .0       |       | .0    |                                    |      | 223      | 223      | 5         | 2   |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 7/ 77        |                                     | .1  | .2  | .1  | .3  | .7   | .8    | .9    | .9    | .5             | .2    | .2    |          |       |       |                                    |      | 236      | 236      | 5         | 4   |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 6/ 75        |                                     | .1  | .2  | .4  | .5  | 1.2  | .9    | .9    | .6    | .5             | .5    |       |          |       |       |                                    |      | 280      | 280      | 18        | 9   |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 4/ 73        |                                     | .2  | .4  | .6  | .8  | .9   | .6    | .7    | .5    | .7             | .2    | .1    |          |       |       |                                    |      | 271      | 271      | 66        | 13  |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 71         | .0                                  | .4  | .8  | .8  | 1.2 | 1.2  | .7    | .7    | .6    | .7             | .1    |       |          |       |       |                                    |      | 357      | 357      | 115       | 41  |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 69         | .1                                  | .6  | 1.0 | 1.0 | 1.1 | 1.0  | .6    | .7    | 1.0   | .5             | .0    |       |          |       |       |                                    |      | 369      | 369      | 214       | 53  |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 5/ 67        | .1                                  | .4  | 2.0 | 1.2 | .8  | .5   | .3    | .9    | .7    | .6             |       |       |          |       |       |                                    |      | 368      | 368      | 284       | 109 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 6/ 65        |                                     | .8  | 1.3 | 1.2 | 1.0 | .5   | .7    | .7    | .5    | .0             |       |       |          |       |       |                                    |      | 327      | 327      | 374       | 133 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 4/ 63        | .3                                  | .9  | 1.5 | 1.3 | .6  | .9   | .7    | .6    | .3    |                |       |       |          |       |       |                                    |      | 329      | 329      | 442       | 228 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 2/ 61        | .3                                  | 1.2 | 1.7 | .9  | .8  | .6   | .5    | .4    | .0    |                |       |       |          |       |       |                                    |      | 301      | 301      | 453       | 303 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 59         |                                     | 1.4 | 1.5 | .9  | 1.0 | .8   | .5    | .3    |       |                |       |       |          |       |       |                                    |      | 310      | 310      | 411       | 383 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 57         |                                     | .9  | 1.1 | .8  | 1.0 | .5   | .3    | .0    |       |                |       |       |          |       |       |                                    |      | 229      | 229      | 429       | 362 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 5/ 55        | .0                                  | 1.1 | 1.4 | 1.0 | .8  | .9   | .1    |       |       |                |       |       |          |       |       |                                    |      | 266      | 266      | 345       | 392 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 4/ 53        |                                     | .9  | 1.3 | .9  | .5  | .2   | .0    |       |       |                |       |       |          |       |       |                                    |      | 184      | 184      | 405       | 340 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 2/ 51        | .3                                  | .6  | 1.0 | .7  | .5  | .1   |       |       |       |                |       |       |          |       |       |                                    |      | 138      | 138      | 346       | 314 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 5/ 49        |                                     | .5  | .8  | .6  | .2  | .0   |       |       |       |                |       |       |          |       |       |                                    |      | 102      | 102      | 326       | 281 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 47         | .3                                  | .5  | .5  | .5  |     |      |       |       |       |                |       |       |          |       |       |                                    |      | 73       | 73       | 226       | 243 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 4/ 45        | .3                                  | .4  | .5  | .2  | .3  |      |       |       |       |                |       |       |          |       |       |                                    |      | 56       | 56       | 185       | 260 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 4/ 43        |                                     | .1  | .5  | .1  |     |      |       |       |       |                |       |       |          |       |       |                                    |      | 33       | 33       | 95        | 247 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 2/ 41        |                                     | .2  | .1  | .0  |     |      |       |       |       |                |       |       |          |       |       |                                    |      | 16       | 16       | 59        | 258 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 4/ 39        |                                     | .2  | .0  |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      | 11       | 11       | 36        | 235 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 3/ 37        |                                     | .0  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      | 2        | 2        | 6         | 218 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 7/ 35        |                                     | .0  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      | 1        | 1        | 1         | 184 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 3/ 33        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          | 1         | 110 |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 2/ 31        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           | 82  |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| / 29         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           | 29  |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 2/ 27        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           | 6   |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| 2/ 23        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           | 1   |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| Element (X)  | Σ X'                                |     |     | Σ X |     |      | X     |       |       | e <sub>2</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |      |          |          |           |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       | ≤ 0 F                              |      |          | ≤ 32 F   |           |     | ≥ 67 F |  |  | ≥ 73 F |  |  | ≥ 80 F             |       |  | ≥ 93 F |  |  | Total |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |      |          |          |           |     |        |  |  |        |  |  |                    |       |  |        |  |  |       |  |  |



**USAFETAC**

## PSYCHROMETRIC SUMMARY

**YEARS**

**NO MONTH**

0600-0800  
MORNING (6-8 AM)

[illegible]

## PSYCHROMETRIC SUMMARY

|              |                       |
|--------------|-----------------------|
| <u>72265</u> | <u>MAXWELL AFB AL</u> |
| STATION      | STATION NAME          |

73-81

**YEAR 8**

NOV  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

0900-1000  
NOV 11 8 31

[illegible]

## PSYCHROMETRIC SUMMARY

73-81

**NOV**  
**MONTH**

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

722265                  MAXWELL AFB AL

73-81

NOV  
NOV 14

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HOURS L. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

NOV  
MONTH[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

NOV  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

PAGE 2 ~~1500-1700~~  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

NOV  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]









## PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL

STATION NAME

73-81

YEARS

DEC  
MONTH

PAGE 2

0600-0800  
HOURS (L. S. T.)

[illegible]

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PAGE 1 0900-1100  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

722265 MAXWELL AFB AL

73-81

DEC

STATION

STATION NAME

**YEARS**

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PAGE 1 1200-1400  
HOURS (L. S. T.)

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

DEC  
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PAGE 2 1200-1400  
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## PSYCHROMETRIC SUMMARY

73-81

YEARS

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PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|----------------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|-----------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14          | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | + 31  | Dry Bulb | Wet Bulb | Dew Point |                    |       |  |  |
| 81           |                                     |     |     |     |     | .1   |       |                |          |       |                                    |        |        |        |        |        |       | 1        | 1        |           |                    |       |  |  |
| 79           |                                     |     |     |     |     | .8   |       | .1             |          |       |                                    |        |        |        |        |        |       | 7        | 7        |           |                    |       |  |  |
| 77           |                                     |     |     |     | .1  |      |       |                |          |       |                                    |        |        |        |        |        |       | 1        | 1        |           |                    |       |  |  |
| 76/ 75       |                                     |     |     |     | .1  | .5   | .8    | .1             |          |       | .3                                 |        |        |        |        |        |       | 14       | 14       |           |                    |       |  |  |
| 74/ 73       |                                     |     |     | .3  | .1  | .3   | .9    | .3             | .1       | .3    | .1                                 |        |        |        |        |        |       | 18       | 18       |           |                    |       |  |  |
| 72/ 71       |                                     |     |     | .1  | .4  | .5   | .8    | .4             | .1       | .5    |                                    |        |        |        |        |        |       | 22       | 22       | 3         |                    |       |  |  |
| 70 / 69      |                                     | .1  | .5  | .7  | .5  | .4   | .3    | .3             |          | .1    | .1                                 |        |        |        |        |        |       | 23       | 23       | 6         |                    |       |  |  |
| 68/ 67       |                                     | .4  | .5  | .4  | .1  | .4   | .5    | .5             | .3       | .1    |                                    |        |        |        |        |        |       | 25       | 25       | 8         |                    |       |  |  |
| 66/ 65       |                                     | .4  | .5  | .3  | 1.1 | .5   | .8    | .4             | .8       | .3    |                                    |        |        |        |        |        |       | 38       | 38       | 13        |                    |       |  |  |
| 64/ 63       |                                     | .5  | .4  | .7  | .1  | .5   | .4    | .4             | .8       |       | .1                                 |        |        |        |        |        |       | 30       | 30       | 25        |                    |       |  |  |
| 62/ 61       |                                     | .1  | 1.1 |     | .1  | .8   | .8    | .9             | .7       | .4    |                                    |        |        |        |        |        |       | 37       | 37       | 29        |                    |       |  |  |
| 60/ 59       |                                     | .5  | .1  | 1.1 | .9  | .9   | 2.1   | 2.0            | .9       |       |                                    |        |        |        |        |        |       | 65       | 65       | 18        |                    |       |  |  |
| 58/ 57       | .8                                  | .4  | .5  | .1  | .7  | .9   | 1.3   | .7             | .9       |       |                                    |        |        |        |        |        |       | 48       | 48       | 38        |                    |       |  |  |
| 56/ 55       | .1                                  | .7  | .3  | .5  | 1.2 | 2.1  | 1.3   | 1.9            | .3       |       |                                    |        |        |        |        |        |       | 63       | 63       | 21        |                    |       |  |  |
| 54/ 53       |                                     | .4  | 1.3 | .4  | .9  | 1.2  | 2.4   | 1.2            |          |       |                                    |        |        |        |        |        |       | 59       | 59       | 36        |                    |       |  |  |
| 52/ 51       |                                     | 1.9 | .9  | .4  | .4  | 1.2  | 2.1   | .5             |          |       |                                    |        |        |        |        |        |       | 56       | 56       | 36        |                    |       |  |  |
| 50 / 49      |                                     | .5  | .7  | .5  | 1.6 | 1.5  | 1.7   | .4             |          |       |                                    |        |        |        |        |        |       | 52       | 52       | 55        |                    |       |  |  |
| 48 / 47      | .3                                  | .5  | .1  | .4  | .8  | 1.7  | .9    | .1             |          |       |                                    |        |        |        |        |        |       | 37       | 37       | 72        |                    |       |  |  |
| 46/ 45       | .4                                  | .9  | .5  | .3  | .8  | 1.2  | 1.2   |                |          |       |                                    |        |        |        |        |        |       | 40       | 40       | 59        |                    |       |  |  |
| 44/ 43       | .3                                  | .3  | .9  | .3  | .8  | 1.9  |       |                |          |       |                                    |        |        |        |        |        |       | 33       | 33       | 65        |                    |       |  |  |
| 42/ 41       | .1                                  | .1  | .4  | .8  | 1.2 | .7   | .3    |                |          |       |                                    |        |        |        |        |        |       | 27       | 27       | 66        |                    |       |  |  |
| 40 / 39      |                                     | .8  | .1  | .3  | 1.6 | .4   |       |                |          |       |                                    |        |        |        |        |        |       | 24       | 24       | 43        |                    |       |  |  |
| 38/ 37       |                                     |     | .3  | .8  | .5  | .4   |       |                |          |       |                                    |        |        |        |        |        |       | 15       | 15       | 43        |                    |       |  |  |
| 36/ 35       |                                     |     | .4  | .1  | .3  | .1   |       |                |          |       |                                    |        |        |        |        |        |       | 7        | 7        | 36        |                    |       |  |  |
| 34/ 33       |                                     |     |     | .7  | .4  |      |       |                |          |       |                                    |        |        |        |        |        |       | 8        | 8        | 33        |                    |       |  |  |
| 32/ 31       |                                     |     |     | .4  | .1  |      |       |                |          |       |                                    |        |        |        |        |        |       | 4        | 4        | 26        |                    |       |  |  |
| 30 / 29      |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          | 7         |                    |       |  |  |
| 28/ 27       |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          | 10        |                    |       |  |  |
| 26/ 25       |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          | 5         |                    |       |  |  |
| 24/ 23       |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          | 1         |                    |       |  |  |
| 22/ 21       |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| 20/ 19       |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| 16/ 15       |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| Element (X)  | Σ X'                                |     |     | Σ X |     |      | X     | C <sub>x</sub> | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| Re. Num.     |                                     |     |     |     |     |      |       |                |          |       | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |          |          |           |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |                |          |       |                                    |        |        |        |        |        |       |          |          |           |                    |       |  |  |

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**USAFETAC**

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MAXWELL AFB AL

73-81

YEARS

DEC  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

0-26-5 (OL A)

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

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MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

YEARS

DEC  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           |       | TOTAL<br>D.B./W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|------|----------|----------|-----------|-------|--------------------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12    | 13-14 | 15-16                              | 17-18  | 19-20  | 21-22  | 23-24  | 25-26  | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point |       |                    |       |  |  |
| 76 / 75      |                                     |     |     | .3  |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 2        | 2        |           |       |                    |       |  |  |
| 74 / 73      |                                     |     | .1  | .6  |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 5        | 5        |           |       |                    |       |  |  |
| 72 / 71      |                                     |     | .3  | .1  |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 3        | 3        |           |       |                    |       |  |  |
| 70 / 69      |                                     |     | .3  | .3  |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 4        | 4        | 8         |       |                    |       |  |  |
| 68 / 67      |                                     |     | .8  | .4  |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 9        | 9        | 2         | 6     |                    |       |  |  |
| 66 / 65      |                                     | .7  | .6  | .3  |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 11       | 11       | 3         | 5     |                    |       |  |  |
| 64 / 63      |                                     | .6  | .8  | .7  | .4  | .4   |          |       |                                    |        |        |        |        |        |       |       |      | 21       | 21       | 13        | 6     |                    |       |  |  |
| 62 / 61      |                                     | 1.7 | 2.1 | .4  | .4  | .1   |          |       |                                    |        |        |        |        |        |       |       |      | 34       | 34       | 13        | 12    |                    |       |  |  |
| 60 / 59      |                                     | .7  | .8  |     | .3  | .1   |          |       |                                    |        |        |        |        |        |       |       |      | 14       | 14       | 25        | 11    |                    |       |  |  |
| 58 / 57      |                                     | .6  | .8  |     |     | .1   |          |       |                                    |        |        |        |        |        |       |       |      | 11       | 11       | 21        | 16    |                    |       |  |  |
| 56 / 55      | .7                                  | 1.1 | 1.0 | .8  | .6  | .3   | .3       |       |                                    |        |        |        |        |        |       |       |      | 34       | 34       | 25        | 31    |                    |       |  |  |
| 54 / 53      | .6                                  | .4  | 1.1 | .7  | .7  | .1   |          |       |                                    |        |        |        |        |        |       |       |      | 26       | 26       | 17        | 19    |                    |       |  |  |
| 52 / 51      |                                     | .7  | 1.4 | 1.1 | 1.5 | .6   | .3       |       |                                    |        |        |        |        |        |       |       |      | 40       | 40       | 14        | 13    |                    |       |  |  |
| 50 / 49      |                                     | 2.5 | 3.2 | 1.8 | 1.4 | .1   |          |       |                                    |        |        |        |        |        |       |       |      | 65       | 65       | 22        | 11    |                    |       |  |  |
| 48 / 47      | .3                                  | 3.3 | 2.2 | 1.8 | .3  | .3   |          |       |                                    |        |        |        |        |        |       |       |      | 59       | 59       | 47        | 26    |                    |       |  |  |
| 46 / 45      | .4                                  | 1.3 | 1.7 | .7  | .4  | .1   |          |       |                                    |        |        |        |        |        |       |       |      | 33       | 33       | 68        | 33    |                    |       |  |  |
| 44 / 43      | .3                                  | .8  | 2.5 | 2.6 | .7  | .1   |          |       |                                    |        |        |        |        |        |       |       |      | 51       | 51       | 55        | 41    |                    |       |  |  |
| 42 / 41      |                                     | .7  | 2.4 | 1.7 | .3  |      |          |       |                                    |        |        |        |        |        |       |       |      | 36       | 36       | 36        | 29    |                    |       |  |  |
| 40 / 39      | .1                                  | 1.8 | 3.3 | 1.5 | 1.1 |      |          |       |                                    |        |        |        |        |        |       |       |      | 57       | 57       | 46        | 35    |                    |       |  |  |
| 38 / 37      | .4                                  | 1.4 | 4.0 | 1.8 | .1  |      |          |       |                                    |        |        |        |        |        |       |       |      | 56       | 56       | 51        | 45    |                    |       |  |  |
| 36 / 35      | .1                                  | 1.8 | 2.1 | 2.4 | .4  |      |          |       |                                    |        |        |        |        |        |       |       |      | 49       | 49       | 57        | 46    |                    |       |  |  |
| 34 / 33      | .1                                  | .7  | 1.7 | 2.4 | .1  |      |          |       |                                    |        |        |        |        |        |       |       |      | 36       | 36       | 51        | 38    |                    |       |  |  |
| 32 / 31      | .1                                  | 1.4 | 2.2 | 1.0 |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 34       | 34       | 39        | 46    |                    |       |  |  |
| 30 / 29      |                                     | .6  | .4  | .3  |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 9        | 9        | 48        | 52    |                    |       |  |  |
| 28 / 27      | .1                                  | .3  | .6  |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 7        | 7        | 32        | 41    |                    |       |  |  |
| 26 / 25      | .1                                  |     | .7  | .1  |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 7        | 7        | 9         | 32    |                    |       |  |  |
| 24 / 23      |                                     |     | .4  |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 3        | 3        | 5         | 19    |                    |       |  |  |
| 22 / 21      |                                     | .1  |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      | 1        | 1        | 7         | 26    |                    |       |  |  |
| 20 / 19      |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          | 3         | 18    |                    |       |  |  |
| 18 / 17      |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           | 26    |                    |       |  |  |
| 16 / 15      |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           | 15    |                    |       |  |  |
| 14 / 13      |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           | 5     |                    |       |  |  |
| 12 / 11      |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           | 9     |                    |       |  |  |
| 10 / 9       |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           | 2     |                    |       |  |  |
| Element (X)  | Σ x <sup>2</sup>                    |     | Σ x |     | Σ   | Σ    | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |       |      |          |          |           | Total |                    |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |          |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |       |      |          |          |           | Total |                    |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           |       |                    |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           |       |                    |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |          |       |                                    |        |        |        |        |        |       |       |      |          |          |           |       |                    |       |  |  |

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

722265  
STATION

MAXWELL AFB AL  
STATION NAME

73-81  
YEARS

DEC  
MONTH

PAGE 1  
ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           | TOTAL | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12          | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥31   | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |       |       |  |  |
| 80/ 81       |                                     |     |     |     |     | .0   | .1             | .0    | .0       |       |                                    |        |        |        |        |        |       | 8         | 8        |          |           |       |       |  |  |
| 79/ 79       |                                     |     |     |     | .0  | .2   | .0             | .0    | .0       |       |                                    |        |        |        |        |        |       | 11        | 11       |          |           |       |       |  |  |
| 78/ 77       |                                     |     |     |     | .0  | .0   | .0             | .0    | .0       | .0    |                                    |        |        |        |        |        |       | 8         | 8        |          |           |       |       |  |  |
| 76/ 75       |                                     |     |     | .2  | .1  | .3   | .4             | .0    | .0       |       | .1                                 |        |        |        |        |        |       | 50        | 50       |          |           |       |       |  |  |
| 74/ 73       |                                     |     | .0  | .3  | .1  | .3   | .3             | .1    | .1       | .1    | .0                                 |        |        |        |        |        |       | 56        | 56       |          |           |       |       |  |  |
| 72/ 71       |                                     |     | .2  | .1  | .2  | .2   | .3             | .2    | .1       | .1    |                                    |        |        |        |        |        |       | 59        | 59       | 8        |           |       |       |  |  |
| 70/ 69       | .0                                  | .1  | .4  | .3  | .4  | .2   | .1             | .1    | .0       | .1    | .1                                 |        |        |        |        |        |       | 81        | 81       | 33       | 1         |       |       |  |  |
| 68/ 67       | .0                                  | .1  | .6  | .4  | .3  | .2   | .2             | .1    | .1       | .1    |                                    |        |        |        |        |        |       | 89        | 89       | 37       | 18        |       |       |  |  |
| 66/ 65       |                                     | .5  | .4  | .6  | .3  | .2   | .4             | .1    | .3       | .0    |                                    |        |        |        |        |        |       | 123       | 123      | 49       | 49        |       |       |  |  |
| 64/ 63       | .0                                  | .6  | .5  | .6  | .4  | .4   | .2             | .2    | .2       | .0    | .0                                 |        |        |        |        |        |       | 132       | 132      | 108      | 45        |       |       |  |  |
| 62/ 61       | .0                                  | .8  | .9  | .2  | .2  | .4   | .3             | .5    | .2       | .1    |                                    |        |        |        |        |        |       | 158       | 158      | 110      | 57        |       |       |  |  |
| 60/ 59       | .2                                  | .9  | .7  | .4  | .5  | .6   | .7             | .6    | .3       | .0    |                                    |        |        |        |        |        |       | 210       | 210      | 137      | 88        |       |       |  |  |
| 58/ 57       | .3                                  | .8  | .6  | .3  | .5  | .6   | .6             | .3    | .3       |       |                                    |        |        |        |        |        |       | 186       | 186      | 140      | 125       |       |       |  |  |
| 56/ 55       | .3                                  | .9  | .7  | .6  | 1.0 | .9   | .8             | .7    | .2       |       |                                    |        |        |        |        |        |       | 264       | 264      | 157      | 154       |       |       |  |  |
| 54/ 53       | .1                                  | .6  | 1.1 | .7  | .9  | .8   | .9             | .5    |          |       |                                    |        |        |        |        |        |       | 249       | 249      | 127      | 110       |       |       |  |  |
| 52/ 51       | .0                                  | .9  | 1.2 | 1.1 | 1.2 | 1.0  | .8             | .1    |          |       |                                    |        |        |        |        |        |       | 280       | 280      | 145      | 102       |       |       |  |  |
| 50/ 49       | .1                                  | 1.7 | 1.5 | 1.3 | 1.2 | .8   | .7             | .2    |          |       |                                    |        |        |        |        |        |       | 321       | 321      | 239      | 111       |       |       |  |  |
| 48/ 47       | .3                                  | 1.6 | 1.0 | 1.1 | 1.4 | .8   | .5             | .0    |          |       |                                    |        |        |        |        |        |       | 286       | 286      | 316      | 152       |       |       |  |  |
| 46/ 45       | .3                                  | 1.2 | 1.5 | 1.1 | 1.0 | .8   | .5             |       |          |       |                                    |        |        |        |        |        |       | 272       | 272      | 314      | 168       |       |       |  |  |
| 44/ 43       | .2                                  | .8  | 1.6 | 1.6 | 1.3 | .9   | .0             |       |          |       |                                    |        |        |        |        |        |       | 279       | 279      | 328      | 206       |       |       |  |  |
| 42/ 41       | .1                                  | .6  | 1.1 | 1.3 | 1.1 | .3   | .0             |       |          |       |                                    |        |        |        |        |        |       | 199       | 199      | 327      | 172       |       |       |  |  |
| 40/ 39       | .1                                  | 1.0 | 1.4 | 1.3 | 1.3 | .3   |                |       |          |       |                                    |        |        |        |        |        |       | 235       | 235      | 290      | 201       |       |       |  |  |
| 38/ 37       | .1                                  | .8  | 1.6 | 1.4 | .7  | .1   |                |       |          |       |                                    |        |        |        |        |        |       | 206       | 206      | 284      | 200       |       |       |  |  |
| 36/ 35       | .0                                  | .9  | 1.3 | 1.6 | .4  | .0   |                |       |          |       |                                    |        |        |        |        |        |       | 186       | 186      | 284      | 256       |       |       |  |  |
| 34/ 33       | .0                                  | .9  | 1.1 | .8  | .3  |      |                |       |          |       |                                    |        |        |        |        |        |       | 134       | 134      | 251      | 201       |       |       |  |  |
| 32/ 31       | .1                                  | .8  | 1.0 | .6  | .0  |      |                |       |          |       |                                    |        |        |        |        |        |       | 111       | 111      | 212      | 297       |       |       |  |  |
| 30/ 29       | .1                                  | .3  | .6  | .3  | .0  |      |                |       |          |       |                                    |        |        |        |        |        |       | 58        | 58       | 197      | 237       |       |       |  |  |
| 28/ 27       | .1                                  | .3  | .3  | .1  |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 32        | 32       | 98       | 215       |       |       |  |  |
| 26/ 25       | .0                                  | .1  | .3  | .0  |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 19        | 19       | 69       | 220       |       |       |  |  |
| 24/ 23       | .0                                  | .0  | .1  |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 7         | 7        | 31       | 150       |       |       |  |  |
| 22/ 21       |                                     | .1  | .0  |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 7         | 7        | 15       | 162       |       |       |  |  |
| 20/ 19       |                                     | .0  |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       | 2         | 2        | 10       | 226       |       |       |  |  |
| 18/ 17       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          | 2        | 152       |       |       |  |  |
| 16/ 15       |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          | 92        |       |       |  |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | σ <sub>n</sub> |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |           |          |          |           |       |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |                |       |          |       | ≤ 6 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |           |          |          |           |       |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |                |       |          |       |                                    |        |        |        |        |        |       |           |          |          |           |       |       |  |  |



## PSYCHROMETRIC SUMMARY

ALL  
MONTH

ALL  
MORSE J. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |          |          |           | TOTAL<br>D.B./W.B. | TOTAL |       |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | ≥ 31   | Dry Bulb | Wet Bulb | Dew Point |                    |       |       |  |
| 10/103       |                                     |     |     |     |     |      |       |       |          |       |                                    |       | .0     | .0    | .0     |       |        | 7        | 7        |           |                    |       |       |  |
| 2/101        |                                     |     |     |     |     |      |       |       |          |       |                                    | .0    | .0     | .0    |        |       |        | 18       | 18       |           |                    |       |       |  |
| 10/99        |                                     |     |     |     |     |      |       |       |          | .0    | .0                                 | .1    | .0     | .0    | .0     |       |        | 63       | 63       |           |                    |       |       |  |
| 8/97         |                                     |     |     |     |     |      |       |       | .0       | .1    | .1                                 | .1    | .0     | .0    |        |       |        | 149      | 149      |           |                    |       |       |  |
| 6/95         |                                     |     |     |     |     |      |       | .0    | .1       | .2    | .2                                 | .1    | .0     | .0    | .0     |       |        | 340      | 340      |           |                    |       |       |  |
| 4/93         |                                     |     |     |     |     | .0   | .0    | .1    | .3       | .3    | .2                                 | .1    | .0     | .0    | .0     |       |        | 591      | 591      |           |                    |       |       |  |
| 2/91         |                                     |     |     |     | .0  | .0   | .2    | .4    | .5       | .3    | .2                                 | .0    | .0     | .0    | .0     |       |        | 936      | 936      |           |                    |       |       |  |
| 1/89         |                                     |     | .0  | .0  | .0  | .2   | .5    | .9    | .4       | .3    | .1                                 | .1    | .0     | .0    | .0     | .0    |        | 1470     | 1470     |           |                    |       |       |  |
| 8/87         |                                     |     | .0  | .0  | .1  | .7   | .9    | .5    | .5       | .1    | .1                                 | .1    | .0     | .0    |        |       |        | 1775     | 1775     |           |                    |       |       |  |
| 6/85         |                                     |     | .0  | .1  | .4  | 1.0  | .7    | .6    | .3       | .2    | .2                                 | .1    | .0     |       |        |       |        | 2043     | 2043     | 1         |                    |       |       |  |
| 4/83         |                                     | .0  | .0  | .3  | .8  | .7   | .6    | .4    | .3       | .2    | .2                                 | .1    | .0     | .0    |        |       |        | 2080     | 2081     | 7 2       |                    |       |       |  |
| 2/81         |                                     | .0  | .2  | .8  | .9  | .7   | .5    | .4    | .3       | .2    | .2                                 | .0    | .0     | .0    |        |       |        | 2411     | 2411     | 87 3      |                    |       |       |  |
| 1/79         |                                     | .1  | .6  | 1.0 | .9  | .7   | .4    | .4    | .3       | .3    | .2                                 | .0    | .0     |       |        |       |        | 2749     | 2749     | 711 20    |                    |       |       |  |
| 7/77         | .0                                  | .3  | 1.0 | 1.2 | 1.0 | .4   | .4    | .3    | .4       | .2    | .2                                 | .1    | .0     |       |        |       |        | 3085     | 3085     | 2195 176  |                    |       |       |  |
| 6/75         | .0                                  | .6  | 1.4 | 1.2 | .7  | .6   | .5    | .4    | .3       | .2    | .2                                 | .0    | .0     |       |        |       |        | 3372     | 3372     | 3680 983  |                    |       |       |  |
| 4/73         | .1                                  | .7  | 1.3 | 1.1 | .5  | .5   | .4    | .3    | .3       | .2    | .1                                 | .0    |        |       |        |       |        | 3042     | 3042     | 4395 2420 |                    |       |       |  |
| 2/71         | .1                                  | .6  | 1.4 | .7  | .6  | .4   | .4    | .3    | .2       | .2    | .1                                 | .0    |        |       |        |       |        | 2818     | 2818     | 3925 3547 |                    |       |       |  |
| 70/69        | .0                                  | .5  | 1.3 | .6  | .6  | .5   | .4    | .3    | .3       | .2    | .1                                 |       |        |       |        |       |        | 2686     | 2686     | 3411 4066 |                    |       |       |  |
| 66/67        | .0                                  | .4  | 1.2 | .6  | .5  | .4   | .3    | .3    | .3       | .2    | .0                                 | .0    |        |       |        |       |        | 2345     | 2345     | 2929 3566 |                    |       |       |  |
| 66/65        | .0                                  | .7  | .8  | .7  | .4  | .3   | .3    | .3    | .3       | .1    | .0                                 |       |        |       |        |       |        | 2211     | 2211     | 2805 3146 |                    |       |       |  |
| 64/63        | .0                                  | .7  | .7  | .6  | .4  | .4   | .3    | .3    | .2       | .0    | .0                                 |       |        |       |        |       |        | 2110     | 2110     | 2935 2718 |                    |       |       |  |
| 62/61        | .0                                  | .7  | .7  | .5  | .4  | .3   | .3    | .3    | .2       | .0    |                                    |       |        |       |        |       |        | 1946     | 1946     | 2786 2523 |                    |       |       |  |
| 60/59        | .1                                  | .7  | .7  | .4  | .4  | .4   | .3    | .3    | .1       | .0    |                                    |       |        |       |        |       |        | 1895     | 1895     | 2508 2309 |                    |       |       |  |
| 58/57        | .1                                  | .6  | .6  | .5  | .5  | .3   | .3    | .2    | .1       | .0    |                                    |       |        |       |        |       |        | 1789     | 1789     | 2473 2302 |                    |       |       |  |
| 56/55        | .1                                  | .5  | .7  | .5  | .4  | .4   | .3    | .2    | .0       | .0    |                                    |       |        |       |        |       |        | 1627     | 1627     | 2077 2282 |                    |       |       |  |
| 54/53        | .1                                  | .5  | .6  | .4  | .4  | .3   | .3    | .1    | .0       |       |                                    |       |        |       |        |       |        | 1498     | 1498     | 2010 2043 |                    |       |       |  |
| 52/51        | .1                                  | .4  | .6  | .4  | .4  | .3   | .3    | .1    | .0       |       |                                    |       |        |       |        |       |        | 1474     | 1474     | 1988 1919 |                    |       |       |  |
| 50/49        | .0                                  | .5  | .6  | .5  | .4  | .4   | .2    | .0    |          |       |                                    |       |        |       |        |       |        | 1487     | 1487     | 1990 1863 |                    |       |       |  |
| 48/47        | .0                                  | .5  | .5  | .5  | .4  | .3   | .1    | .0    |          |       |                                    |       |        |       |        |       |        | 1329     | 1329     | 1868 1753 |                    |       |       |  |
| 46/45        | .1                                  | .5  | .5  | .4  | .3  | .3   | .1    |       |          |       |                                    |       |        |       |        |       |        | 1206     | 1206     | 1767 1795 |                    |       |       |  |
| 44/43        | .0                                  | .3  | .5  | .5  | .5  | .2   | .0    |       |          |       |                                    |       |        |       |        |       |        | 1068     | 1068     | 1569 1631 |                    |       |       |  |
| 42/41        | .0                                  | .3  | .4  | .4  | .3  | .2   | .0    |       |          |       |                                    |       |        |       |        |       |        | 915      | 915      | 1514 1570 |                    |       |       |  |
| 40/39        | .0                                  | .3  | .5  | .3  | .3  | .1   | .0    |       |          |       |                                    |       |        |       |        |       |        | 899      | 899      | 1280 1473 |                    |       |       |  |
| 38/37        | .0                                  | .2  | .4  | .3  | .2  | .1   |       |       |          |       |                                    |       |        |       |        |       |        | 722      | 722      | 1181 1475 |                    |       |       |  |
| Element (X)  | Σ x <sup>2</sup>                    |     | Σ x |     | Σ   |      | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≤ 0 F                              |       | ≤ 32 F |       | ≥ 67 F |       | ≥ 73 F |          | ≥ 80 F   |           | ≥ 93 F             |       | Total |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |       |        |       |        |       |        |          |          |           |                    |       |       |  |

## PSYCHROMETRIC SUMMARY

722265                      MAXWELL AFB AL  
STATION

73-81

YEARS

**ALL**  
**MONTH**

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]

AD-A122 716

MAXWELL AFB ALABAMA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIO..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 24 AUG 82

95

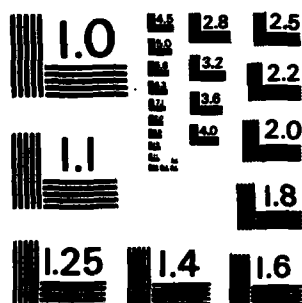
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NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722265 MAXWELL AFB AL

73-81

| STATION       |           | STATION NAME |        |        |       |       |       |       |       |       |        |        |        | YEARS  |  |
|---------------|-----------|--------------|--------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|
| HRS. (L.S.T.) |           | JAN.         | FEB.   | MAR.   | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.   | NOV.   | DEC.   | ANNUAL |  |
| 0-02          | MEAN      | 47.7         | 62.3   | 62.1   | 64.2  | 72.3  | 74.0  |       | 76.2  | 72.0  | 62.7   | 51.0   | 39.0   | 61.5   |  |
|               | S.D.      | 12.798       | 6.848  | 5.273  | 5.852 | 3.948 |       |       | 2.530 | 5.477 |        | 13.130 |        | 12.683 |  |
|               | TOTAL OBS | 15           | 10     | 7      | 19    | 4     | 2     |       | 10    | 5     | 3      | 6      | 3      | 84     |  |
| 03-05         | MEAN      | 50.6         | 63.7   | 56.6   | 58.7  | 63.1  | 71.2  | 74.0  | 72.9  | 69.3  | 55.8   | 49.0   |        | 67.4   |  |
|               | S.D.      | 8.986        | 1.633  | 1.817  | 7.070 | 6.479 | 3.798 | 2.432 | 2.480 | 4.774 | 7.933  |        |        | 8.315  |  |
|               | TOTAL OBS | 13           | 6      | 5      | 27    | 188   | 181   | 187   | 138   | 125   | 113    | 3      |        | 896    |  |
| 06-08         | MEAN      | 40.9         | 42.7   | 52.7   | 59.6  | 67.3  | 74.4  | 76.6  | 75.1  | 70.6  | 57.2   | 50.1   | 41.9   | 60.3   |  |
|               | S.D.      | 11.794       | 10.824 | 9.710  | 7.427 | 5.995 | 4.944 | 3.852 | 3.447 | 5.733 | 8.247  | 10.451 | 10.742 | 15.069 |  |
|               | TOTAL OBS | 691          | 660    | 773    | 741   | 834   | 797   | 832   | 836   | 808   | 818    | 667    | 582    | 9059   |  |
| 09-11         | MEAN      | 45.7         | 50.2   | 60.8   | 69.1  | 75.6  | 82.8  | 84.4  | 83.3  | 79.0  | 67.8   | 59.0   | 49.0   | 67.5   |  |
|               | S.D.      | 11.318       | 11.328 | 9.447  | 7.668 | 6.386 | 5.293 | 5.127 | 4.291 | 6.834 | 7.831  | 9.990  | 10.181 | 15.827 |  |
|               | TOTAL OBS | 812          | 741    | 836    | 806   | 833   | 881   | 830   | 837   | 809   | 834    | 818    | 768    | 9737   |  |
| 12-14         | MEAN      | 51.8         | 57.0   | 66.7   | 74.5  | 80.0  | 87.0  | 88.6  | 87.8  | 83.8  | 74.3   | 65.3   | 55.6   | 72.9   |  |
|               | S.D.      | 11.481       | 11.727 | 9.784  | 7.933 | 6.813 | 5.806 | 5.914 | 4.638 | 7.657 | 7.552  | 9.887  | 10.441 | 15.243 |  |
|               | TOTAL OBS | 811          | 762    | 837    | 810   | 832   | 881   | 828   | 837   | 810   | 832    | 809    | 765    | 9738   |  |
| 15-17         | MEAN      | 52.4         | 58.2   | 67.6   | 75.1  | 79.8  | 86.4  | 87.3  | 86.6  | 82.9  | 73.4   | 64.3   | 55.2   | 72.6   |  |
|               | S.D.      | 11.221       | 11.309 | 9.706  | 7.673 | 6.640 | 6.498 | 7.141 | 5.688 | 7.878 | 7.638  | 9.736  | 10.183 | 14.844 |  |
|               | TOTAL OBS | 811          | 768    | 837    | 809   | 836   | 882   | 820   | 837   | 807   | 834    | 810    | 754    | 9713   |  |
| 18-20         | MEAN      | 47.2         | 52.2   | 61.8   | 68.5  | 74.3  | 80.8  | 81.8  | 80.6  | 76.5  | 64.7   | 56.8   | 49.0   | 66.4   |  |
|               | S.D.      | 10.621       | 10.188 | 8.858  | 7.199 | 6.024 | 5.714 | 5.989 | 4.718 | 6.329 | 7.443  | 9.553  | 10.017 | 14.529 |  |
|               | TOTAL OBS | 812          | 753    | 830    | 791   | 823   | 881   | 818   | 836   | 889   | 834    | 889    | 729    | 9445   |  |
| 21-23         | MEAN      | 43.9         | 48.1   | 57.4   | 63.1  | 69.7  | 78.9  | 77.9  | 76.9  | 72.9  | 60.8   | 53.2   | 45.9   | 60.6   |  |
|               | S.D.      | 10.934       | 9.969  | 8.748  | 6.715 | 5.527 | 4.457 | 4.872 | 3.148 | 5.384 | 7.416  | 10.097 | 10.485 | 14.398 |  |
|               | TOTAL OBS | 751          | 697    | 738    | 668   | 867   | 836   | 898   | 863   | 844   | 598    | 889    | 717    | 7711   |  |
| ALL HOURS     | MEAN      | 47.2         | 51.7   | 61.3   | 68.5  | 74.4  | 81.2  | 82.8  | 81.7  | 77.7  | 66.4   | 58.4   | 49.8   | 67.0   |  |
|               | S.D.      | 11.922       | 12.098 | 10.679 | 9.330 | 8.097 | 7.427 | 7.174 | 6.544 | 8.364 | 10.089 | 11.383 | 11.359 | 15.724 |  |
|               | TOTAL OBS | 8714         | 8809   | 4845   | 6488  | 8865  | 6487  | 6833  | 8894  | 8717  | 8842   | 8723   | 8318   | 56379  |  |

GLOBAL CLIMATOLOGY BRANCH  
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## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722265 MAXWELL AFB AL

73-81

| STATION       |           | STATION NAME |        |       |       |       |       |       |       |       |       |        |        | YEARS  |  |  |  |  |  |  |  |  |  |  |  |
|---------------|-----------|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|
| MRS. (L.S.T.) |           | JAN.         | FEB.   | MAR.  | APR.  | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.  | NOV.   | DEC.   | ANNUAL |  |  |  |  |  |  |  |  |  |  |  |
| 10-02         | MEAN      | 44.9         | 60.2   | 60.0  | 59.9  | 68.0  | 70.0  |       | 72.6  | 68.8  | 53.3  | 46.0   | 36.0   | 57.8   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 13.255       | 8.638  | 8.099 | 5.394 | 2.309 |       |       | 2.119 | 6.686 |       | 11.883 |        | 12.671 |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 15           | 18     | 7     | 19    | 4     | 2     |       | 10    | 5     | 3     | 6      | 3      | 84     |  |  |  |  |  |  |  |  |  |  |  |
| 3-05          | MEAN      | 48.2         | 63.2   | 54.6  | 55.5  | 60.0  | 67.8  | 71.0  | 70.5  | 65.7  | 52.2  | 45.0   |        | 64.3   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 9.731        | 1.472  | 2.782 | 6.982 | 6.732 | 4.496 | 2.576 | 2.670 | 5.198 | 7.839 |        |        | 8.571  |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 13           | 6      | 5     | 27    | 188   | 181   | 157   | 138   | 125   | 113   | 3      |        | 896    |  |  |  |  |  |  |  |  |  |  |  |
| 6-08          | MEAN      | 38.3         | 39.6   | 48.8  | 54.8  | 62.6  | 69.1  | 72.3  | 71.5  | 66.6  | 53.6  | 47.1   | 39.0   | 56.4   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 12.131       | 11.168 | 9.846 | 7.437 | 5.974 | 4.798 | 2.846 | 2.886 | 5.862 | 8.294 | 10.441 | 10.744 | 14.608 |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 691          | 660    | 173   | 761   | 638   | 797   | 822   | 836   | 808   | 818   | 667    | 582    | 9059   |  |  |  |  |  |  |  |  |  |  |  |
| 9-11          | MEAN      | 41.2         | 44.8   | 53.1  | 59.1  | 65.9  | 72.2  | 75.4  | 75.0  | 70.5  | 59.8  | 52.3   | 43.6   | 59.5   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 11.713       | 11.041 | 9.284 | 7.101 | 5.584 | 4.682 | 2.898 | 2.742 | 5.689 | 7.536 | 9.927  | 10.155 | 14.341 |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 811          | 761    | 826   | 806   | 822   | 881   | 838   | 837   | 809   | 824   | 818    | 768    | 9736   |  |  |  |  |  |  |  |  |  |  |  |
| 12-14         | MEAN      | 44.6         | 47.3   | 55.4  | 60.9  | 67.8  | 72.8  | 76.1  | 75.8  | 71.6  | 61.1  | 54.7   | 46.9   | 61.4   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 11.263       | 10.836 | 8.589 | 6.818 | 5.162 | 4.382 | 2.733 | 2.798 | 5.261 | 6.986 | 9.383  | 9.863  | 13.263 |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 809          | 762    | 837   | 810   | 832   | 881   | 828   | 837   | 818   | 832   | 889    | 768    | 9732   |  |  |  |  |  |  |  |  |  |  |  |
| 15-17         | MEAN      | 44.8         | 47.8   | 55.7  | 61.8  | 66.8  | 72.3  | 75.2  | 75.1  | 71.8  | 60.6  | 54.8   | 46.6   | 61.1   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 11.849       | 9.999  | 8.346 | 6.238 | 4.886 | 4.111 | 2.988 | 2.817 | 5.032 | 6.838 | 9.189  | 9.733  | 12.987 |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 811          | 768    | 837   | 809   | 824   | 888   | 828   | 837   | 807   | 824   | 818    | 754    | 9713   |  |  |  |  |  |  |  |  |  |  |  |
| 18-20         | MEAN      | 42.2         | 48.8   | 53.3  | 58.8  | 65.1  | 71.8  | 73.8  | 73.6  | 69.1  | 57.7  | 51.1   | 43.7   | 59.0   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 11.065       | 9.918  | 8.824 | 6.511 | 5.137 | 4.214 | 2.884 | 2.784 | 5.184 | 7.287 | 9.638  | 10.134 | 13.458 |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 812          | 752    | 828   | 791   | 822   | 881   | 838   | 835   | 809   | 824   | 889    | 729    | 9699   |  |  |  |  |  |  |  |  |  |  |  |
| 21-23         | MEAN      | 48.8         | 43.8   | 51.5  | 56.8  | 63.8  | 69.7  | 72.7  | 72.4  | 67.8  | 55.8  | 49.1   | 41.9   | 58.6   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 11.267       | 10.241 | 9.883 | 8.568 | 5.588 | 4.292 | 2.668 | 2.595 | 5.283 | 7.448 | 10.888 | 10.497 | 14.031 |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 751          | 697    | 758   | 648   | 857   | 838   | 848   | 842   | 844   | 894   | 889    | 717    | 7711   |  |  |  |  |  |  |  |  |  |  |  |
| ALL HOURS     | MEAN      | 42.0         | 44.6   | 53.1  | 58.6  | 65.2  | 71.2  | 74.2  | 73.9  | 69.4  | 58.8  | 51.5   | 43.8   | 59.0   |  |  |  |  |  |  |  |  |  |  |  |
|               | S.D.      | 11.637       | 10.833 | 9.283 | 7.898 | 5.784 | 4.545 | 3.194 | 3.284 | 5.784 | 7.881 | 10.088 | 10.492 | 13.871 |  |  |  |  |  |  |  |  |  |  |  |
|               | TOTAL OBS | 9713         | 9899   | 9888  | 9888  | 9888  | 9888  | 9888  | 9888  | 9717  | 9888  | 9722   | 9218   | 88875  |  |  |  |  |  |  |  |  |  |  |  |

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# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722265 MAXWELL AFB AL

73-81

| STATION       |           | STATION NAME |        |        |        |       |       |       |       |       |        |        |        | YEARS  |  |
|---------------|-----------|--------------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--|
| HRS. (L.S.T.) |           | JAN.         | FEB.   | MAR.   | APR.   | MAY   | JUN.  | JUL.  | AUG.  | SEP.  | OCT.   | NOV.   | DEC.   | ANNUAL |  |
| 0-02          | MEAN      | 40.5         | 58.2   | 58.4   | 58.8   | 65.8  | 68.0  |       | 71.1  | 67.0  | 45.0   | 40.7   | 31.3   | 54.7   |  |
|               | S. D.     | 16.509       | 11.887 | 5.127  | 6.330  | 2.062 |       |       | 2.234 | 7.778 |        | 12.832 |        | 14.665 |  |
|               | TOTAL OBS | 15           | 10     | 7      | 19     | 4     | 2     |       | 10    | 5     | 3      | 6      | 3      | 84     |  |
| 03-05         | MEAN      | 45.5         | 63.2   | 53.0   | 53.0   | 57.9  | 65.8  | 69.5  | 69.3  | 63.5  | 49.0   | 40.0   |        | 62.3   |  |
|               | S. D.     | 11.808       | 1.472  | 3.674  | 7.501  | 7.644 | 5.882 | 3.373 | 3.140 | 6.126 | 8.923  |        |        | 9.582  |  |
|               | TOTAL OBS | 13           | 6      | 5      | 27     | 158   | 151   | 157   | 138   | 125   | 113    | 3      |        | 896    |  |
| 06-08         | MEAN      | 33.8         | 34.8   | 44.6   | 50.6   | 59.3  | 66.2  | 70.3  | 69.8  | 64.2  | 50.4   | 43.8   | 34.6   | 51.1   |  |
|               | S. D.     | 14.919       | 13.762 | 11.802 | 9.071  | 7.187 | 6.834 | 3.267 | 3.116 | 6.844 | 9.546  | 11.810 | 12.706 | 16.220 |  |
|               | TOTAL OBS | 891          | 660    | 773    | 761    | 839   | 797   | 832   | 836   | 808   | 818    | 667    | 582    | 9059   |  |
| 09-11         | MEAN      | 34.4         | 35.7   | 45.6   | 51.2   | 59.7  | 66.7  | 71.4  | 71.3  | 65.9  | 51.9   | 45.4   | 36.3   | 53.2   |  |
|               | S. D.     | 15.562       | 14.502 | 12.493 | 10.128 | 7.664 | 6.680 | 3.573 | 3.307 | 7.046 | 10.276 | 13.165 | 13.311 | 16.904 |  |
|               | TOTAL OBS | 811          | 761    | 836    | 806    | 833   | 801   | 838   | 837   | 809   | 834    | 810    | 758    | 9736   |  |
| 12-14         | MEAN      | 34.6         | 35.4   | 44.9   | 50.2   | 58.9  | 65.6  | 70.6  | 70.5  | 65.1  | 50.8   | 44.4   | 36.1   | 52.5   |  |
|               | S. D.     | 16.124       | 14.722 | 12.691 | 10.206 | 7.846 | 6.836 | 3.706 | 3.707 | 6.908 | 10.664 | 13.921 | 14.297 | 16.930 |  |
|               | TOTAL OBS | 809          | 762    | 837    | 810    | 832   | 801   | 828   | 837   | 810   | 832    | 809    | 765    | 9732   |  |
| 15-17         | MEAN      | 34.4         | 35.1   | 44.4   | 49.9   | 58.7  | 65.0  | 69.8  | 69.8  | 64.6  | 50.4   | 43.9   | 35.8   | 52.0   |  |
|               | S. D.     | 16.178       | 14.662 | 12.855 | 10.222 | 7.613 | 6.819 | 3.877 | 3.768 | 6.770 | 10.521 | 13.655 | 14.419 | 16.808 |  |
|               | TOTAL OBS | 811          | 760    | 837    | 809    | 834   | 808   | 828   | 837   | 807   | 824    | 810    | 754    | 9713   |  |
| 18-20         | MEAN      | 34.8         | 35.8   | 44.9   | 51.0   | 59.5  | 65.8  | 70.1  | 70.2  | 65.0  | 52.0   | 45.2   | 36.6   | 52.9   |  |
|               | S. D.     | 15.852       | 13.567 | 12.038 | 9.368  | 7.236 | 6.298 | 3.446 | 3.361 | 6.471 | 9.317  | 12.214 | 13.274 | 16.179 |  |
|               | TOTAL OBS | 812          | 753    | 838    | 791    | 823   | 801   | 818   | 835   | 809   | 834    | 809    | 729    | 9644   |  |
| 21-23         | MEAN      | 33.9         | 36.1   | 45.8   | 51.5   | 59.9  | 66.2  | 70.2  | 70.2  | 64.8  | 51.7   | 44.8   | 36.6   | 51.0   |  |
|               | S. D.     | 14.572       | 13.488 | 11.747 | 8.698  | 6.987 | 5.746 | 3.168 | 3.189 | 6.328 | 8.999  | 11.982 | 12.867 | 16.318 |  |
|               | TOTAL OBS | 781          | 697    | 788    | 665    | 897   | 538   | 808   | 861   | 544   | 594    | 809    | 717    | 7711   |  |
| ALL HOURS     | MEAN      | 34.4         | 35.6   | 45.8   | 50.7   | 59.3  | 65.9  | 70.4  | 70.3  | 64.9  | 51.1   | 44.6   | 36.1   | 52.6   |  |
|               | S. D.     | 15.439       | 14.283 | 12.295 | 9.663  | 7.487 | 6.452 | 3.864 | 3.458 | 6.761 | 9.958  | 12.838 | 13.537 | 16.846 |  |
|               | TOTAL OBS | 8713         | 8889   | 8868   | 8888   | 8888  | 8689  | 8833  | 8683  | 8717  | 8862   | 8723   | 8318   | 86575  |  |

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## RELATIVE HUMIDITY

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JAN

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### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                         |
| JAN    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 93.3  | 80.0 | 60.0 | 40.0 | 20.0 | 76.1                         | 15                      |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 84.6 | 76.9 | 76.9 | 30.8 | 93.0                         | 13                      |
|        | 06-08          | 100.0  | 100.0 | 99.9  | 98.8  | 93.9  | 82.9 | 64.0 | 49.1 | 19.2 | 76.5                         | 691                     |
|        | 09-11          | 100.0  | 99.9  | 99.4  | 91.6  | 76.2  | 59.7 | 43.8 | 29.3 | 10.9 | 66.6                         | 811                     |
|        | 12-14          | 100.0  | 99.5  | 87.8  | 68.0  | 51.8  | 36.8 | 27.1 | 16.1 | 6.2  | 55.0                         | 809                     |
|        | 15-17          | 100.0  | 99.4  | 86.2  | 64.0  | 49.1  | 36.7 | 26.3 | 16.9 | 5.1  | 53.9                         | 811                     |
|        | 18-20          | 100.0  | 100.0 | 98.6  | 89.4  | 71.6  | 54.7 | 38.8 | 24.5 | 8.4  | 64.1                         | 812                     |
|        | 21-23          | 100.0  | 100.0 | 99.9  | 96.0  | 83.1  | 66.4 | 49.5 | 30.5 | 10.5 | 69.3                         | 751                     |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
| TOTALS |                | 100.0  | 99.9  | 96.5  | 88.5  | 77.4  | 62.7 | 48.3 | 35.4 | 13.9 | 68.1                         | 4713                    |

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## RELATIVE HUMIDITY

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### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |       |       |       | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|-------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%   | 90%   |                              |                         |
| FEB    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 90.0  | 90.0  | 90.0  | 90.0  | 60.0  | 87.4                         | 10                      |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.0                         | 6                       |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 98.9  | 95.2  | 81.5  | 60.9  | 39.4  | 12.4  | 74.4                         | 660                     |
|        | 09-11          | 100.0  | 99.9  | 97.1  | 84.2  | 63.7  | 43.6  | 28.4  | 15.8  | 3.9   | 59.6                         | 761                     |
|        | 12-14          | 100.0  | 98.8  | 76.1  | 54.5  | 38.1  | 24.4  | 16.8  | 8.9   | 2.1   | 47.6                         | 762                     |
|        | 15-17          | 100.0  | 96.7  | 69.7  | 47.4  | 34.6  | 24.9  | 16.2  | 7.9   | 1.4   | 45.7                         | 760                     |
|        | 18-20          | 100.0  | 100.0 | 96.5  | 75.6  | 53.9  | 36.9  | 23.9  | 12.6  | 3.3   | 56.1                         | 753                     |
|        | 21-23          | 100.0  | 100.0 | 99.9  | 93.3  | 76.8  | 60.0  | 37.3  | 18.4  | 4.4   | 64.7                         | 697                     |
|        |                |  |       |       |       |       |       |       |       |       |                              |                         |
|        |                |  |       |       |       |       |       |       |       |       |                              |                         |
|        |                |  |       |       |       |       |       |       |       |       |                              |                         |
|        |                |  |       |       |       |       |       |       |       |       |                              |                         |
|        |                |  |       |       |       |       |       |       |       |       |                              |                         |
| TOTALS |                | 100.0  | 99.4  | 92.4  | 81.7  | 69.0  | 57.7  | 46.7  | 36.6  | 23.4  | 66.7                         | 4409                    |

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## RELATIVE HUMIDITY

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### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |       |       |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|-------|-------|-------|-------|-------|-------|------|------------------------------|-------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%   | 90%  |                              |                         |
| MAR    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 14.3 | 87.3                         | 7                       |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 80.0  | 40.0 | 87.6                         | 5                       |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 99.2  | 94.8  | 82.9  | 66.0  | 37.0  | 7.8  | 74.8                         | 773                     |
|        | 09-11          | 100.0  | 100.0 | 97.2  | 82.5  | 64.0  | 47.7  | 30.1  | 14.0  | 3.5  | 59.6                         | 836                     |
|        | 12-14          | 100.0  | 98.8  | 79.0  | 57.2  | 39.9  | 27.7  | 18.6  | 8.1   | 1.2  | 48.7                         | 837                     |
|        | 15-17          | 100.0  | 98.0  | 73.5  | 49.6  | 36.0  | 26.0  | 19.0  | 8.8   | 1.8  | 46.9                         | 837                     |
|        | 18-20          | 100.0  | 99.9  | 94.8  | 77.2  | 56.9  | 38.6  | 26.5  | 12.4  | 3.3  | 56.6                         | 830                     |
|        | 21-23          | 100.0  | 100.0 | 99.7  | 94.7  | 81.8  | 62.7  | 40.1  | 19.7  | 5.9  | 66.1                         | 740                     |
|        |                |  |       |       |       |       |       |       |       |      |                              |                         |
|        |                |  |       |       |       |       |       |       |       |      |                              |                         |
|        |                |  |       |       |       |       |       |       |       |      |                              |                         |
|        |                |  |       |       |       |       |       |       |       |      |                              |                         |
|        |                |  |       |       |       |       |       |       |       |      |                              |                         |
| TOTALS |                | 100.0  | 99.6  | 93.0  | 82.6  | 71.7  | 60.7  | 50.0  | 35.0  | 9.7  | 66.0                         | 4865                    |

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## RELATIVE HUMIDITY

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### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |     | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|-----|------------------------------|-------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90% |                              |                         |
| APR    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 94.7  | 89.5 | 78.9 | 57.9 | 5.3 | 77.6                         | 19                      |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 92.6 | 88.9 | 63.0 | 7.4 | 81.6                         | 27                      |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 99.5  | 95.1  | 82.8 | 59.1 | 31.1 | 5.5 | 73.1                         | 76                      |
|        | 09-11          | 100.0  | 100.0 | 96.3  | 77.8  | 56.7  | 33.9 | 18.9 | 7.3  | 1.6 | 54.9                         | 806                     |
|        | 12-14          | 100.0  | 99.3  | 78.4  | 50.2  | 31.1  | 18.3 | 10.5 | 5.2  | 1.7 | 45.2                         | 810                     |
|        | 15-17          | 100.0  | 98.4  | 71.7  | 48.3  | 27.8  | 16.9 | 10.8 | 6.6  | .9  | 44.1                         | 879                     |
|        | 18-20          | 100.0  | 100.0 | 97.2  | 81.0  | 57.5  | 35.1 | 18.2 | 10.6 | 1.8 | 55.8                         | 79                      |
|        | 21-23          | 100.0  | 100.0 | 99.5  | 97.6  | 89.2  | 69.2 | 38.6 | 15.8 | 3.6 | 67.0                         | 665                     |
|        |                |  |       |       |       |       |      |      |      |     |                              |                         |
|        |                |  |       |       |       |       |      |      |      |     |                              |                         |
|        |                |  |       |       |       |       |      |      |      |     |                              |                         |
|        |                |  |       |       |       |       |      |      |      |     |                              |                         |
|        |                |  |       |       |       |       |      |      |      |     |                              |                         |
| TOTALS |                | 100.0  | 99.7  | 92.9  | 81.8  | 69.0  | 54.8 | 40.5 | 24.7 | 3.5 | 62.4                         | 4686                    |





GLOBAL CLIMATOLOGY BRANCH  
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## RELATIVE HUMIDITY

722265

MAXWELL AFB AL

73-81

JUL

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                         |
| JUL    | 00-02          |  |       |       |       |       |      |      |      |      |                              |                         |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 93.6 | 78.3 | 26.1 | 86.1                         | 157                     |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 99.5  | 96.5 | 88.2 | 58.3 | 12.3 | 81.1                         | 832                     |
|        | 09-11          | 100.0  | 100.0 | 99.9  | 98.8  | 89.9  | 68.4 | 36.5 | 12.0 | 1.0  | 65.9                         | 830                     |
|        | 12-14          | 100.0  | 100.0 | 99.6  | 90.0  | 63.0  | 35.7 | 13.6 | 4.5  | 1.2  | 56.6                         | 828                     |
|        | 15-17          | 100.0  | 100.0 | 99.4  | 87.0  | 61.1  | 41.3 | 24.6 | 11.6 | 1.1  | 58.1                         | 823                     |
|        | 18-20          | 100.0  | 100.0 | 99.9  | 97.2  | 86.4  | 71.3 | 50.0 | 25.8 | 4.5  | 69.2                         | 818                     |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 98.7  | 91.2 | 78.8 | 44.7 | 8.8  | 77.7                         | 548                     |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
| TOTALS |                | 100.0  | 100.0 | 99.8  | 96.1  | 85.5  | 72.0 | 55.0 | 33.6 | 7.9  | 70.7                         | 4833                    |

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## RELATIVE HUMIDITY

MAXWELL AFB AL

**73-81**

AUG

STATION

STATION NAME

**2000**

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## RELATIVE HUMIDITY

722265

MAXWELL AFB AL

73-81

OCT

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                         |
| OCT    | 00-02             | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |      |      |      |      | 52.7                         | 3                       |
|        | 03-05             | 100.0  | 100.0 | 100.0 | 100.0 | 97.3  | 93.8 | 77.9 | 51.3 | 6.2  | 76.4                         | 113                     |
|        | 06-08             | 100.0  | 100.0 | 100.0 | 99.9  | 97.8  | 91.3 | 78.6 | 50.2 | 11.5 | 78.7                         | 619                     |
|        | 09-11             | 100.0  | 100.0 | 98.6  | 86.8  | 65.6  | 41.2 | 22.2 | 12.1 | 1.8  | 56.6                         | 834                     |
|        | 12-14             | 100.0  | 99.5  | 84.0  | 56.4  | 29.1  | 16.0 | 10.9 | 6.0  | .6   | 46.1                         | 832                     |
|        | 15-17             | 100.0  | 99.4  | 84.9  | 59.5  | 32.6  | 18.5 | 10.8 | 6.5  | .7   | 46.8                         | 834                     |
|        | 18-20             | 100.0  | 100.0 | 99.5  | 96.3  | 83.8  | 59.0 | 33.8 | 15.6 | 2.5  | 64.7                         | 834                     |
|        | 21-23             | 100.0  | 100.0 | 100.0 | 99.3  | 95.8  | 84.2 | 60.9 | 30.8 | 5.1  | 73.4                         | 594                     |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                   |  |       |       |       |       |      |      |      |      |                              |                         |
| TOTALS |                   | 100.0  | 99.9  | 95.9  | 87.3  | 75.3  | 50.5 | 36.9 | 21.6 | 3.6  | 62.4                         | 4862                    |

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## RELATIVE HUMIDITY

722265

MAXWELL AFB AL

73-81

NOV

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                         |
| NOV    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 83.3 | 50.0 |      |      | 68.0                         | 6                       |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 66.7 | 66.7 | 33.3 |      | 71.3                         | 3                       |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 100.0 | 97.3  | 91.8 | 81.1 | 51.1 | 15.0 | 79.5                         | 667                     |
|        | 09-11          | 100.0  | 99.8  | 97.3  | 87.4  | 73.1  | 54.6 | 35.2 | 19.1 | 4.1  | 62.8                         | 910                     |
|        | 12-14          | 100.0  | 98.8  | 81.1  | 61.4  | 42.9  | 29.4 | 16.7 | 9.3  | 2.2  | 49.9                         | 809                     |
|        | 15-17          | 100.0  | 98.8  | 82.6  | 63.0  | 43.0  | 30.7 | 18.6 | 11.2 | 3.3  | 50.9                         | 810                     |
|        | 18-20          | 100.0  | 100.0 | 99.9  | 95.7  | 84.2  | 61.1 | 38.9 | 20.8 | 5.6  | 66.4                         | 609                     |
|        | 21-23          | 100.0  | 100.0 | 99.9  | 99.3  | 93.9  | 84.4 | 61.8 | 34.1 | 8.8  | 74.0                         | 809                     |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                |  |       |       |       |       |      |      |      |      |                              |                         |
| TOTALS |                | 100.0  | 99.7  | 95.1  | 88.4  | 79.3  | 62.8 | 46.1 | 22.4 | 4.9  | 65.4                         | 4723                    |

USA

AFW

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722265

MAXWELL AFB AL

73-81

DEC

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |       |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS. |
|--------|-------------------|--|-------|-------|-------|-------|-------|------|------|------|------------------------------|------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  | 90%  |                              |                        |
| DEC    | 00-02             | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 33.3 | 33.3 | 33.3 | 75.0                         |                        |
|        | 03-05             |  |       |       |       |       |       |      |      |      |                              |                        |
|        | 06-08             | 100.0  | 100.0 | 100.0 | 99.1  | 94.7  | 85.7  | 68.7 | 44.8 | 14.6 | 76.3                         | 582                    |
|        | 09-11             | 100.0  | 100.0 | 99.2  | 91.0  | 74.3  | 52.2  | 34.5 | 20.2 | 7.3  | 63.5                         | 768                    |
|        | 12-14             | 100.0  | 99.1  | 86.5  | 62.6  | 42.9  | 26.7  | 19.0 | 12.8 | 5.8  | 51.2                         | 769                    |
|        | 15-17             | 100.0  | 99.2  | 82.4  | 62.3  | 44.2  | 29.2  | 20.8 | 13.7 | 6.2  | 51.5                         | 754                    |
|        | 18-20             | 100.0  | 100.0 | 99.3  | 93.4  | 76.3  | 53.6  | 34.2 | 16.7 | 7.4  | 63.9                         | 729                    |
|        | 21-23             | 100.0  | 100.0 | 100.0 | 98.5  | 90.9  | 73.5  | 51.9 | 28.6 | 8.9  | 71.0                         | 717                    |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                        |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                        |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                        |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                        |
|        |                   |  |       |       |       |       |       |      |      |      |                              |                        |
| TOTALS |                   | 100.0  | 99.8  | 95.3  | 86.7  | 74.8  | 60.1  | 37.5 | 24.6 | 11.9 | 64.6                         | 4318                   |

USAFETAC

FORM 12-64

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# RELATIVE HUMIDITY

722265

MAXWELL AFB AL

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                   | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| JAN    | ALL               | 100.0  | 99.9  | 96.5  | 88.5 | 77.4 | 62.7 | 48.3 | 35.4 | 13.9 | 68.1                         | 4713                    |
| FEB    |                   | 100.0  | 99.4  | 92.4  | 81.7 | 69.0 | 57.7 | 46.7 | 36.6 | 23.4 | 66.7                         | 4409                    |
| MAR    |                   | 100.0  | 99.6  | 93.0  | 82.6 | 71.7 | 60.7 | 50.0 | 35.0 | 9.7  | 66.0                         | 4865                    |
| APR    |                   | 100.0  | 99.7  | 92.9  | 81.8 | 69.0 | 54.8 | 40.5 | 24.7 | 3.5  | 62.4                         | 4698                    |
| MAY    |                   | 100.0  | 100.0 | 97.7  | 90.3 | 78.2 | 64.2 | 50.8 | 30.1 | 3.2  | 66.7                         | 4865                    |
| JUN    |                   | 100.0  | 100.0 | 97.9  | 91.0 | 79.2 | 63.9 | 49.5 | 27.9 | 5.8  | 67.2                         | 4689                    |
| JUL    |                   | 100.0  | 100.0 | 99.8  | 96.1 | 85.5 | 72.0 | 55.0 | 33.6 | 7.9  | 70.7                         | 4633                    |
| AUG    |                   | 100.0  | 100.0 | 100.0 | 99.0 | 91.7 | 78.3 | 63.1 | 41.9 | 8.0  | 73.9                         | 4893                    |
| SEP    |                   | 100.0  | 100.0 | 99.1  | 94.8 | 86.6 | 74.0 | 59.4 | 33.7 | 3.9  | 71.0                         | 4717                    |
| OCT    |                   | 100.0  | 99.9  | 95.9  | 87.3 | 75.3 | 50.5 | 36.9 | 21.6 | 3.6  | 62.4                         | 4862                    |
| NOV    |                   | 100.0  | 99.7  | 95.1  | 88.4 | 79.3 | 62.8 | 46.1 | 22.4 | 4.9  | 65.4                         | 4723                    |
| DEC    |                   | 100.0  | 99.8  | 95.3  | 86.7 | 74.8 | 60.1 | 37.5 | 24.6 | 11.9 | 64.6                         | 4318                    |
| TOTALS |                   | 100.0  | 99.8  | 96.3  | 89.0 | 78.1 | 63.5 | 48.7 | 32.6 | 8.3  | 67.1                         | 56575                   |

USAFETAC

FORM 25-64

0-87-5 (OL A)

2085

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

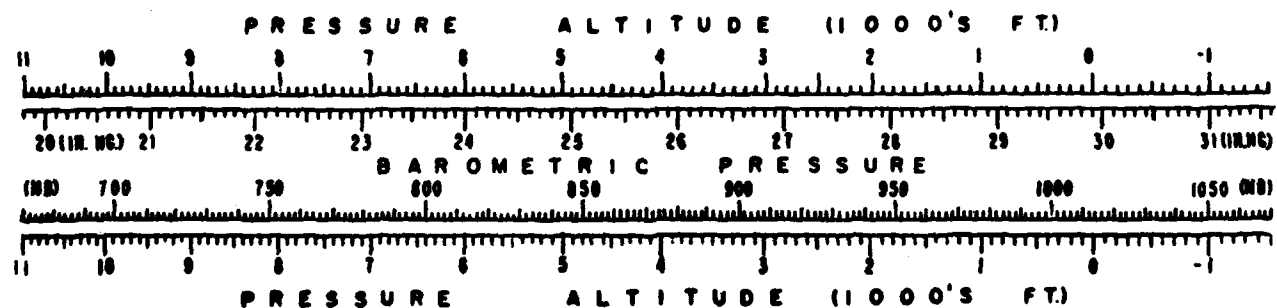
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

722265 MAXWELL AFB AL

73-81

| STATION       |                           | STATION NAME           |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        | YEARS                   |  |
|---------------|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--|
| HRS. (L.S.T.) |                           | JAN.                   | FEB.                   | MAR.                   | APR.                   | MAY                    | JUN.                   | JUL.                   | AUG.                   | SEP.                   | OCT.                   | NOV.                   | DEC.                   | ANNUAL                  |  |
| 0             | MEAN<br>S.D.<br>TOTAL OBS | 29.702<br>.469<br>5    | 29.774<br>.129<br>5    | 29.716<br>.206<br>5    | 29.838<br>.151<br>8    | 29.743<br>2            | 29.745<br>2            |                        | 29.875<br>.107<br>4    | 29.635<br>2            | 29.848<br>1            | 29.913<br>3            | 30.070<br>2            | 29.797<br>.217<br>40    |  |
| 3             | MEAN<br>S.D.<br>TOTAL OBS | 29.563<br>.316<br>4    | 29.608<br>2            |                        | 29.828<br>1            |                        |                        |                        | 29.710<br>1            | 29.370<br>1            | 29.920<br>2            |                        |                        | 29.663<br>.245<br>11    |  |
| 6             | MEAN<br>S.D.<br>TOTAL OBS | 29.941<br>.288<br>180  | 29.948<br>.282<br>152  | 29.850<br>.182<br>215  | 29.868<br>.159<br>222  | 29.792<br>.116<br>278  | 29.834<br>.084<br>265  | 29.843<br>.076<br>278  | 29.866<br>.071<br>279  | 29.834<br>.098<br>269  | 29.913<br>.128<br>262  | 29.939<br>.127<br>128  | 29.998<br>.189<br>90   | 29.870<br>.142<br>2588  |  |
| 9             | MEAN<br>S.D.<br>TOTAL OBS | 30.002<br>.204<br>271  | 29.988<br>.169<br>252  | 29.889<br>.179<br>279  | 29.988<br>.167<br>266  | 29.818<br>.116<br>278  | 29.883<br>.085<br>267  | 29.844<br>.077<br>279  | 29.888<br>.073<br>279  | 29.857<br>.105<br>270  | 29.943<br>.132<br>278  | 29.977<br>.145<br>270  | 30.002<br>.191<br>255  | 29.913<br>.157<br>3297  |  |
| 12            | MEAN<br>S.D.<br>TOTAL OBS | 29.957<br>.205<br>270  | 29.969<br>.163<br>259  | 29.887<br>.178<br>279  | 29.869<br>.163<br>278  | 29.788<br>.113<br>277  | 29.828<br>.084<br>267  | 29.841<br>.076<br>279  | 29.858<br>.071<br>279  | 29.826<br>.101<br>278  | 29.898<br>.126<br>277  | 29.927<br>.143<br>270  | 29.955<br>.187<br>255  | 29.878<br>.152<br>3297  |  |
| 15            | MEAN<br>S.D.<br>TOTAL OBS | 29.913<br>.204<br>270  | 29.887<br>.177<br>259  | 29.799<br>.169<br>279  | 29.812<br>.157<br>278  | 29.739<br>.113<br>278  | 29.782<br>.083<br>267  | 29.793<br>.074<br>278  | 29.806<br>.069<br>279  | 29.776<br>.093<br>278  | 29.850<br>.123<br>278  | 29.883<br>.136<br>270  | 29.914<br>.179<br>254  | 29.829<br>.148<br>3298  |  |
| 18            | MEAN<br>S.D.<br>TOTAL OBS | 29.932<br>.201<br>271  | 29.897<br>.174<br>251  | 29.882<br>.167<br>279  | 29.818<br>.151<br>278  | 29.732<br>.109<br>278  | 29.771<br>.085<br>267  | 29.792<br>.077<br>278  | 29.808<br>.066<br>279  | 29.782<br>.091<br>278  | 29.864<br>.128<br>278  | 29.902<br>.137<br>269  | 29.932<br>.178<br>294  | 29.835<br>.158<br>3298  |  |
| 21            | MEAN<br>S.D.<br>TOTAL OBS | 29.951<br>.203<br>269  | 29.921<br>.177<br>251  | 29.837<br>.162<br>262  | 29.841<br>.153<br>262  | 29.765<br>.107<br>278  | 29.818<br>.083<br>267  | 29.827<br>.078<br>278  | 29.848<br>.068<br>278  | 29.822<br>.091<br>278  | 29.894<br>.128<br>278  | 29.926<br>.148<br>278  | 29.951<br>.182<br>292  | 29.865<br>.148<br>3195  |  |
| ALL HOURS     | MEAN<br>S.D.<br>TOTAL OBS | 29.948<br>.207<br>1510 | 29.928<br>.188<br>1822 | 29.838<br>.175<br>1822 | 29.841<br>.161<br>1822 | 29.771<br>.118<br>1822 | 29.818<br>.084<br>1822 | 29.827<br>.078<br>1822 | 29.848<br>.076<br>1822 | 29.816<br>.101<br>1822 | 29.894<br>.129<br>1822 | 29.925<br>.142<br>1822 | 29.954<br>.186<br>1822 | 29.865<br>.153<br>18798 |  |



GLOBAL CLIMATOLOGY BRANCH  
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# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HDS FROM HOURLY OBSERVATIONS

722265

MAXWELL AFB AL

73-81

| STATION     |                           | STATION NAME            |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | YEARS                    |  |
|-------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--|
| HRS. (LST.) |                           | JAN.                    | FEB.                    | MAR.                    | APR.                    | MAY                     | JUN.                    | JUL.                    | AUG.                    | SEP.                    | OCT.                    | NOV.                    | DEC.                    | ANNUAL                   |  |
| 0           | MEAN<br>S.D.<br>TOTAL OBS | 1012.2<br>16.323<br>5   | 1014.7<br>4.259<br>8    | 1012.7<br>7.020<br>5    | 1016.8<br>5.126<br>8    | 1013.6<br>3<br>3        | 1013.7<br>2             |                         | 1018.1<br>3.824<br>4    | 1009.9<br>2             | 1016.8<br>1             | 1019.3<br>3             | 1024.8<br>2             | 1015.4<br>7.472<br>40    |  |
| 3           | MEAN<br>S.D.<br>TOTAL OBS | 1007.3<br>10.917<br>4   | 1010.4<br>2             |                         | 1016.1<br>1             |                         |                         |                         | 1012.4<br>1             | 1000.9<br>1             | 1019.7<br>2             |                         |                         | 1010.8<br>8.400<br>11    |  |
| 6           | MEAN<br>S.D.<br>TOTAL OBS | 1020.6<br>6.675<br>144  | 1028.7<br>6.973<br>199  | 1017.3<br>6.159<br>219  | 1017.9<br>5.401<br>221  | 1018.2<br>3.989<br>278  | 1016.8<br>2.868<br>282  | 1017.8<br>2.898<br>278  | 1017.7<br>2.444<br>279  | 1016.6<br>3.339<br>269  | 1019.4<br>4.396<br>260  | 1020.1<br>4.233<br>123  | 1022.3<br>6.499<br>89   | 1017.9<br>4.841<br>2571  |  |
| 9           | MEAN<br>S.D.<br>TOTAL OBS | 1022.6<br>6.965<br>271  | 1021.8<br>6.429<br>252  | 1019.6<br>6.064<br>279  | 1018.9<br>5.654<br>268  | 1018.9<br>3.947<br>278  | 1017.8<br>2.678<br>267  | 1017.7<br>2.891<br>279  | 1018.4<br>2.489<br>278  | 1017.4<br>3.573<br>270  | 1020.4<br>4.492<br>278  | 1021.6<br>4.980<br>278  | 1022.5<br>6.501<br>256  | 1019.4<br>5.382<br>3247  |  |
| 12          | MEAN<br>S.D.<br>TOTAL OBS | 1021.8<br>6.979<br>270  | 1020.6<br>6.247<br>254  | 1017.5<br>5.928<br>279  | 1017.9<br>5.335<br>278  | 1018.6<br>3.843<br>277  | 1018.4<br>2.958<br>267  | 1018.0<br>2.591<br>279  | 1017.4<br>2.444<br>279  | 1016.3<br>3.478<br>270  | 1018.9<br>4.303<br>277  | 1019.9<br>4.856<br>278  | 1020.9<br>6.332<br>255  | 1018.2<br>5.197<br>3247  |  |
| 15          | MEAN<br>S.D.<br>TOTAL OBS | 1019.5<br>6.946<br>278  | 1018.6<br>6.023<br>254  | 1015.5<br>5.748<br>279  | 1016.8<br>5.319<br>278  | 1017.4<br>3.726<br>278  | 1018.4<br>2.844<br>267  | 1018.2<br>2.522<br>278  | 1015.6<br>2.374<br>279  | 1016.6<br>3.168<br>270  | 1017.2<br>4.194<br>278  | 1018.4<br>4.625<br>278  | 1019.3<br>6.098<br>254  | 1016.5<br>5.062<br>3245  |  |
| 18          | MEAN<br>S.D.<br>TOTAL OBS | 1020.2<br>6.844<br>271  | 1018.9<br>5.944<br>251  | 1015.7<br>5.644<br>277  | 1015.9<br>5.142<br>268  | 1013.2<br>3.678<br>278  | 1014.7<br>2.779<br>267  | 1015.2<br>2.454<br>278  | 1015.7<br>2.807<br>279  | 1014.9<br>3.188<br>278  | 1017.7<br>4.118<br>278  | 1019.0<br>4.669<br>269  | 1020.1<br>6.048<br>244  | 1016.7<br>5.120<br>3228  |  |
| 21          | MEAN<br>S.D.<br>TOTAL OBS | 1020.9<br>6.844<br>269  | 1019.7<br>6.044<br>250  | 1016.9<br>5.444<br>268  | 1016.9<br>5.114<br>252  | 1014.2<br>3.676<br>271  | 1015.8<br>2.798<br>267  | 1015.4<br>2.525<br>278  | 1017.1<br>2.338<br>278  | 1016.2<br>3.044<br>278  | 1018.7<br>4.105<br>278  | 1019.8<br>4.769<br>278  | 1020.8<br>6.175<br>240  | 1017.8<br>5.844<br>3184  |  |
| ALL HOURS   | MEAN<br>S.D.<br>TOTAL OBS | 1020.7<br>7.882<br>1584 | 1020.8<br>6.322<br>1918 | 1016.9<br>5.927<br>1827 | 1017.2<br>5.382<br>1858 | 1018.4<br>3.937<br>2862 | 1018.4<br>2.944<br>1828 | 1018.0<br>2.734<br>1828 | 1017.8<br>2.488<br>1877 | 1016.8<br>3.454<br>1822 | 1018.7<br>4.305<br>1822 | 1019.8<br>4.841<br>1875 | 1020.9<br>6.322<br>1390 | 1017.7<br>5.222<br>18775 |  |

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